NRCS Natural Resources Conservation Service

# Utah Water Supply Outlook Report

## February, 2007

**Red Pine Ridge SNOTEL, January 2007, Central Utah, Wasatch Plateau.**
**Photo by Randy Julander, NRCS, USDA .**

# Water Supply Outlook Reports
## and Federal - State - Private Cooperative Snow Surveys

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### *How forecasts are made*

Most of the annual streamflow in the western United States originates as snowfall that has accumulated in the mountains during the winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Measurements of snow water equivalent at selected manual snowcourses and automated SNOTEL sites, along with precipitation, antecedent streamflow, and indices of the El Niño / Southern Oscillation are used in computerized statistical and simulation models to prepare runoff forecasts. These forecasts are coordinated between hydrologists in the Natural Resources Conservation Service and the National Weather Service. Unless otherwise specified, all forecasts are for flows that would occur naturally without any upstream influences.

Forecasts of any kind, of course, are not perfect. Streamflow forecast uncertainty arises from three primary sources: (1) uncertain knowledge of future weather conditions, (2) uncertainty in the forecasting procedure, and (3) errors in the data. The forecast, therefore, must be interpreted not as a single value but rather as a range of values with specific probabilities of occurrence. The middle of the range is expressed by the 50% exceedance probability forecast, for which there is a 50% chance that the actual flow will be above, and a 50% chance that the actual flow will be below, this value. To describe the expected range around this 50% value, four other forecasts are provided, two smaller values (90% and 70% exceedance probability) and two larger values (30%, and 10% exceedance probability). For example, there is a 90% chance that the actual flow will be more than the 90% exceedance probability forecast. The others can be interpreted similarly.

The wider the spread among these values, the more uncertain the forecast. As the season progresses, forecasts become more accurate, primarily because a greater portion of the future weather conditions become known; this is reflected by a narrowing of the range around the 50% exceedance probability forecast. Users should take this uncertainty into consideration when making operational decisions by selecting forecasts corresponding to the level of risk they are willing to assume about the amount of water to be expected. If users anticipate receiving a lesser supply of water, or if they wish to increase their chances of having an adequate supply of water for their operations, they may want to base their decisions on the 90% or 70% exceedance probability forecasts, or something in between. On the other hand, if users are concerned about receiving too much water (for example, threat of flooding), they may want to base their decisions on the 30% or 10% exceedance probability forecasts, or something in between. Regardless of the forecast value users choose for operations, they should be prepared to deal with either more or less water. (Users should remember that even if the 90% exceedance probability forecast is used, there is still a 10% chance of receiving less than this amount.) By using the exceedance probability information, users can easily determine the chances of receiving more or less water.

# STATE OF UTAH GENERAL OUTLOOK
**Feb 1, 2007**

## SUMMARY

It is not often that we have a January this cold and this dry, especially as far as snow accumulation is concerned. It is even less often when we write an obituary for the season at the beginning of February. We are very optimistic folks here in Utah, especially in the water supply business and we are always looking for that glimmer of hope, the Hail Mary pass to the end zone or even some sea gulls eating crickets. That is about what it will take at this point to bring Utah watersheds back to average snowpack conditions. In a nutshell: the Bear River needs 163% of average snowpack accumulation in February and March to reach average, the probability of getting that much snow is 3%. That is the optimistic version. The pessimist realizes there is a 97% probability it's not going to happen. The Weber: 163% accumulation, 0% probability, Provo: 164%, 3%, Uintah Basin: 140%, 6%, southeast Utah: 167%, 6%, Sevier 149%, 19% and southwest Utah: 163%, accumulation and a 33% probability. The natural variability in southern Utah can be amazing - if there were no snow in that region, it would still have an 11% chance of getting back to normal. So, can it happen, the answer is yes, will it happen and the answer is maybe - but. Maybe - the term itself is full of doubt, couple that with a meteorological forecast of essentially nothing for the next week or so and we only have half of February and March to make the accumulation. The coffin seems to be nailed and we are only talking about what to put on the epitaph at this point, and as noted, it is still the beginning of February. On a brighter note, when snowpacks are this low, they typically rebound to some degree. Only a few cases have continued to spiral downward like 1977 snowpacks did. While average is not likely, perhaps we might make it back to 80% if things change back to a wetter pattern. Soil moisture continues to decline slightly from last month with: Bear - 66%, Weber - 60%, Provo - 48%, Uintah Basin - 39%, southeast Utah - 49%, Sevier - 44%, southwest Utah - 31% and statewide - 48% of saturation. These values are a little higher than last year. In general, most areas of the state have excellent reservoir carryover. General water supply conditions range from below to near average. Streamflow forecasts range from 10% to 86% of average. Surface Water Supply Indices range from 23% on the Bear River, to 84% on the west side of the Uintah Basin.

## SNOWPACK

February first snowpacks as measured by the NRCS SNOTEL are as follows: Bear - 62%, Weber - 60%, Provo - 57%, Uintahs - 74%, southeast Utah - 55%, Sevier - 67%, southwest Utah - 65% and the statewide figure is 64% of average. South facing aspects have melted off to surprisingly high elevations, in some places to the 10,000 ft range. Utah needs between 140% and 167% of normal snowpack accumulation in February and March to reach average conditions. The probability of getting this accumulation ranges between 0 and 33% with most areas at 6% or less. Although there are still several months of potential accumulation left in this season, we are not likely to see a return to average conditions this year.

## PRECIPITATION

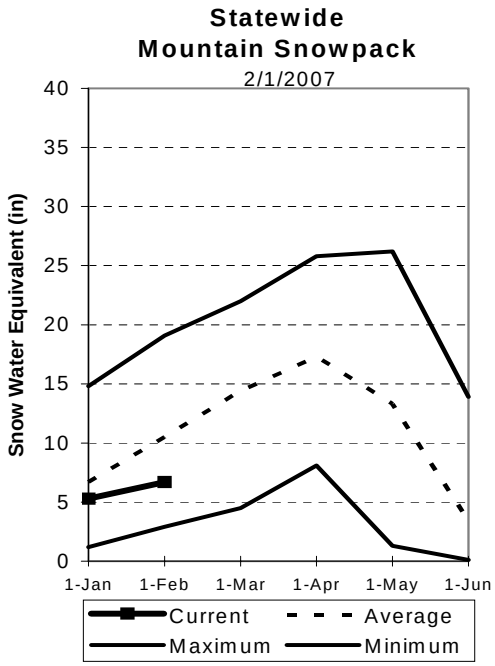
Mountain precipitation during January was much below normal at 40% of average statewide. Precipitation ranged from 34% on the Bear to 50% on the Uintah Basin. This brings the seasonal accumulation (Oct-Jan) to 86% of average statewide and ranges from 77% on the Bear to 99% over southeastern Utah.

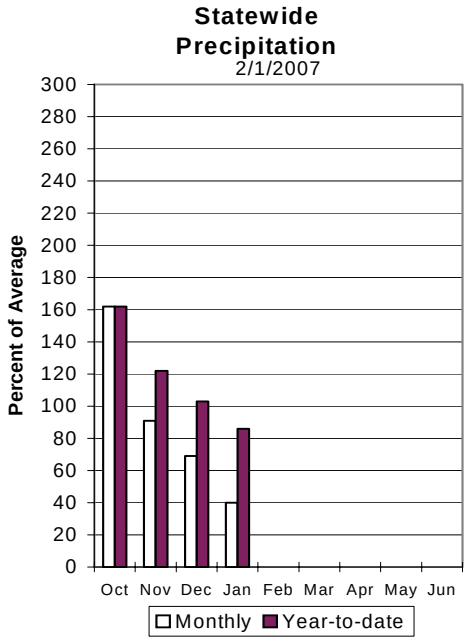
## RESERVOIRS

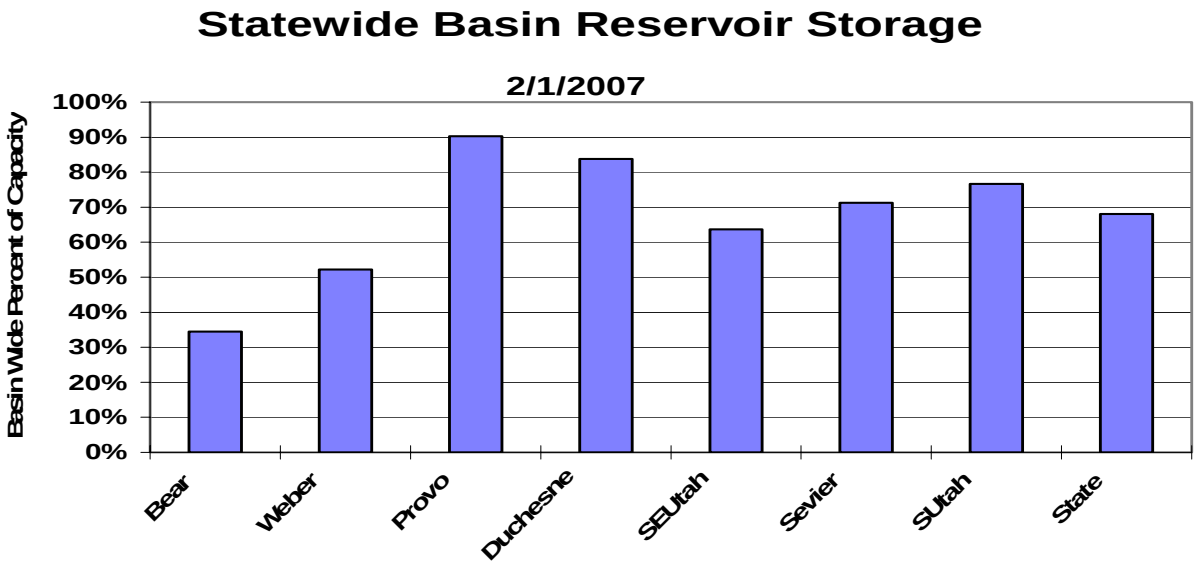
Storage in 41 of Utah's key irrigation reservoirs is at 68% of capacity. This is an increase of 1% from last year. Reservoirs across the State have been making steady gains in storage. Bear Lake really is the last reservoir to remain in an extremely low condition due to the prolonged drought.

**STREAMFLOW**

Snowmelt streamflows are expected to have a wide range from much below average to near average across the state of Utah this year. Forecast streamflows range from 10% on North Creek nr Monticello to 86% of average for Big Brush Creek nr Red Fleet Reservoir. Most flows are forecast to be in the 50% to 70% range.

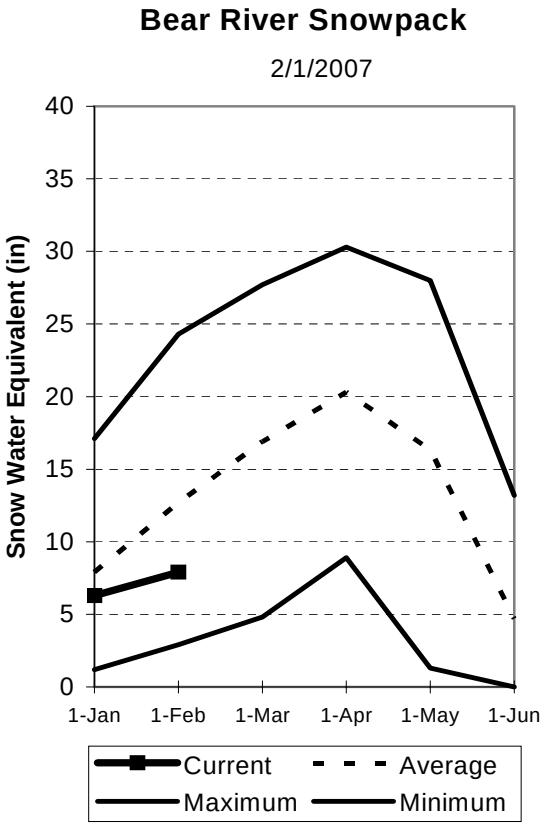


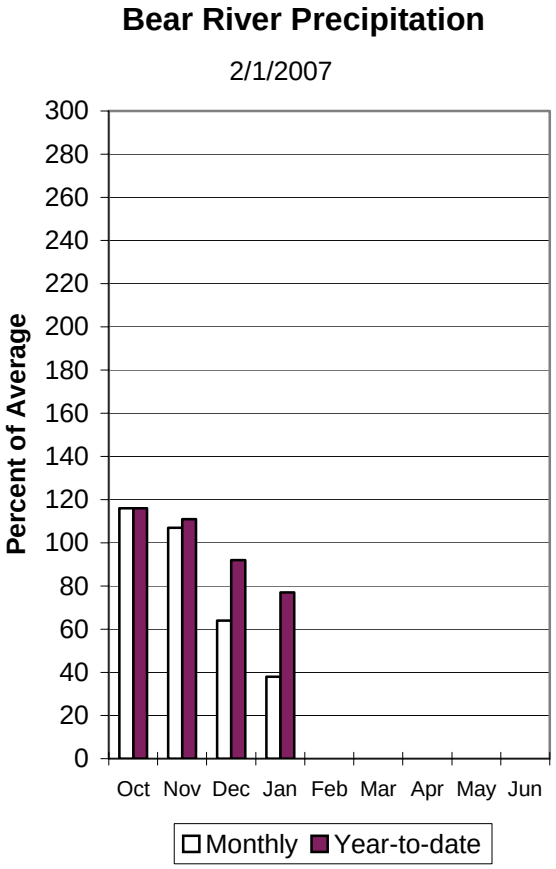



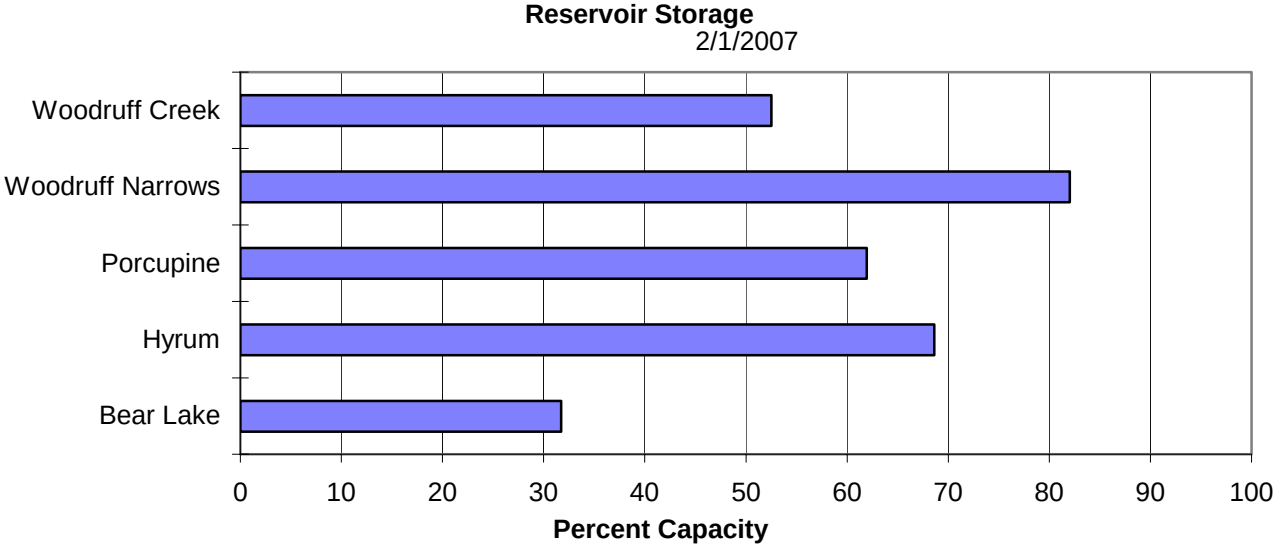



# Bear River Basin
## February 1, 2007

Snowpacks on the Bear River Basin are much below average at 62% of normal, about 44% of last year. Specific sites range from 53% to 91% of normal. January precipitation was much below average at 38%, which brings the seasonal accumulation (Oct-January) to 77% of average. Soil moisture levels in runoff producing areas are at 66% of saturation in the upper 2 feet of soil compared to 57% last year. This is due mainly to above average precipitation in October. Forecast streamflows range from much below average to average (41%-81%) volumes this spring. Reservoir storage is low at 35% of capacity, 13% more than last year. The Surface Water Supply Index is at 21% for the Bear River, or 79% of years have had more total water available. Water supply conditions are much below normal due to low reservoir storage and only about a 3% chance this year of reaching April 1st snow water equivalent average.



## BEAR RIVER BASIN
### Streamflow Forecasts - February 1, 2007

| Forecast Point | Forecast Period | <<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF) | 70% (1000AF) | 50% (1000AF) | 50% (% AVG.) | 30% (1000AF) | 10% (1000AF) | 30-Yr Avg. (1000AF) |
|---|---|---|---|---|---|---|---|---|
| Bear River nr UT-WY State Line | APR-JUL | 61 | 79 | 92 | 81 | 106 | 129 | 113 |
| Bear River ab Reservoir nr Woodruff | APR-JUL | 30 | 60 | 85 | 63 | 115 | 168 | 136 |
| Big Creek nr Randolph | APR-JUL | 0.3 | 1.1 | 2.0 | 41 | 3.1 | 5.2 | 4.9 |
| Smiths Fork nr Border | APR-JUL | 37 | 53 | 65 | 63 | 78 | 101 | 103 |
| Bear River at Stewart Dam | APR-JUL | 27 | 77 | 125 | 53 | 184 | 295 | 234 |
| Little Bear River at Paradise | APR-JUL | 5.8 | 13.0 | 19.5 | 42 | 27 | 41 | 46 |
| Logan R Abv State Dam Nr Logan | APR-JUL | 32 | 49 | 63 | 50 | 79 | 105 | 126 |
| Blacksmith Fk Abv Up&L Dam Nr Hyrum | APR-JUL | 10.1 | 18.2 | 25 | 52 | 33 | 46 | 48 |

## BEAR RIVER BASIN
### Reservoir Storage (1000 AF) - End of January

| Reservoir | Usable Capacity | *** Usable Storage *** This Year | Last Year | Avg |
|---|---|---|---|---|
| BEAR LAKE | 1302.0 | 413.0 | 276.0 | --- |
| HYRUM | 15.3 | 10.5 | 10.5 | 10.4 |
| PORCUPINE | 11.3 | 7.0 | 9.0 | 4.4 |
| WOODRUFF NARROWS | 57.3 | 47.0 | 34.0 | 25.2 |
| WOODRUFF CREEK | 4.0 | 2.1 | 2.7 | --- |

## BEAR RIVER BASIN
### Watershed Snowpack Analysis - February 1, 2007

| Watershed | Number of Data Sites | This Year as % of Last Yr | This Year as % of Average |
|---|---|---|---|
| BEAR RIVER, UPPER (abv Ha | 6 | 49 | 66 |
| BEAR RIVER, LOWER (blw Ha | 8 | 40 | 60 |
| LOGAN RIVER | 4 | 38 | 59 |
| RAFT RIVER | 1 | 48 | 95 |
| BEAR RIVER BASIN | 14 | 43 | 62 |

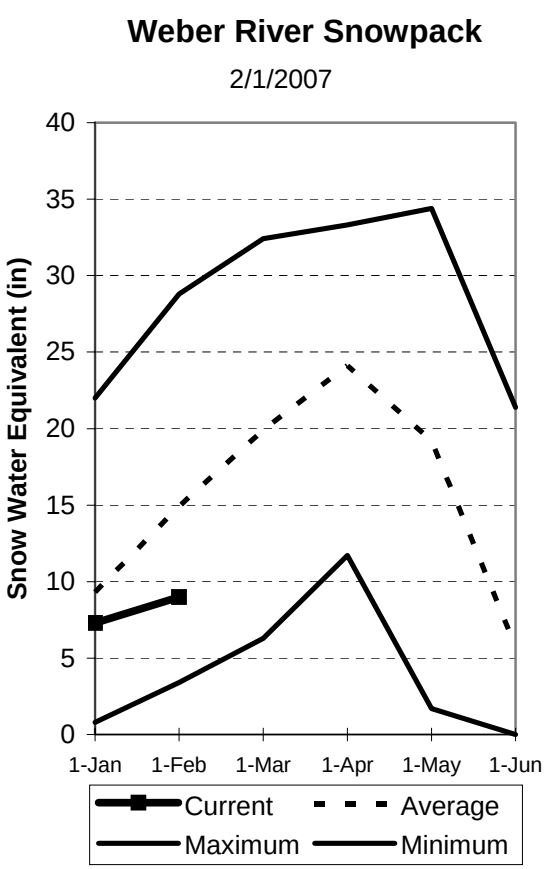
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

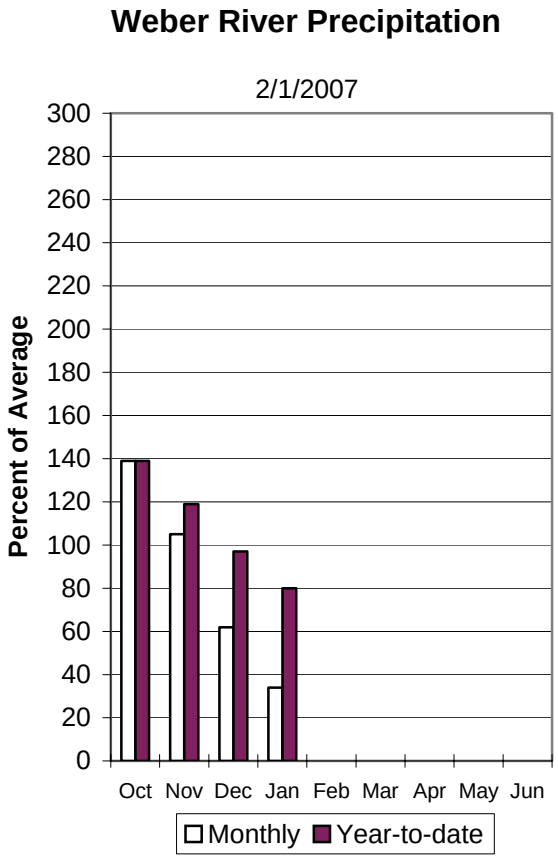
The average is computed for the 1971-2000 base period.

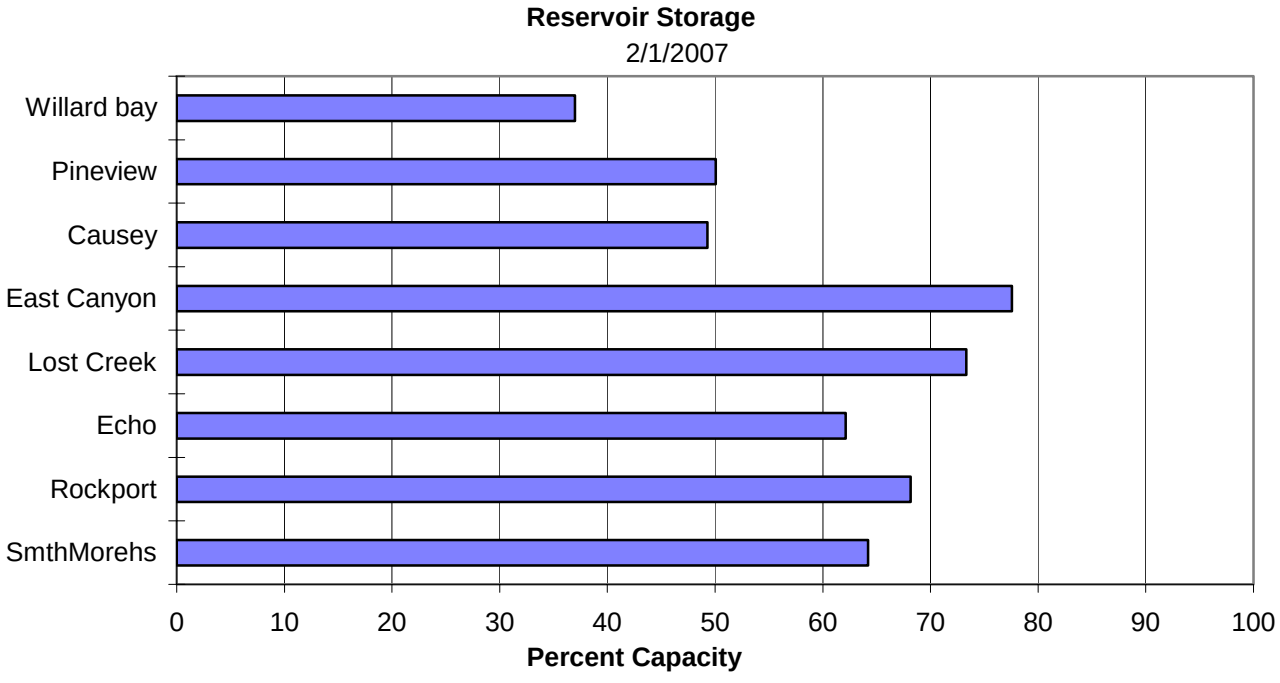
(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

# Weber and Ogden River Basins
## February 1, 2007

Snowpack on the Weber and Ogden Watersheds is much below average at 60%, about 45% of last year. Individual sites range from 38% to 87% of average. January precipitation was much below average at 34% bringing the seasonal accumulation (Oct-January) to 80% of average. Soil moisture levels in runoff producing areas are at 60% of saturation in the upper 2 feet of soil compared to 55% last year. Streamflow forecasts range from 41% to 71% of average. Reservoir storage is at 52% of capacity, 22% lower than last year. The Surface Water Supply Index is at 12% for the Weber River and at 26% for the Ogden River. Overall water supply conditions are below normal with very little probability of reaching April 1st average snow water equivalent.



## WEBER & OGDEN WATERSHEDS in Utah
## Streamflow Forecasts - February 1, 2007

| Forecast Point | Forecast Period | <<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF) | 70% (1000AF) | 50% (1000AF) | 50% (% AVG.) | 30% (1000AF) | 10% (1000AF) | 30-Yr Avg. (1000AF) |
|---|---|---|---|---|---|---|---|---|
| Smith & Morehouse Res inflow | APR-JUL | 16.4 | 21 | 24 | 71 | 27 | 32 | 34 |
| Weber River nr Oakley | APR-JUL | 53 | 72 | 85 | 69 | 98 | 117 | 123 |
| Rockport Resv Inflow Nr Wanship | APR-JUL | 43 | 68 | 85 | 63 | 102 | 127 | 134 |
| Weber River nr Coalville | APR-JUL | 42 | 64 | 82 | 60 | 102 | 136 | 137 |
| Chalk Creek at Coalville | APR-JUL | 10.9 | 21 | 30 | 67 | 40 | 59 | 45 |
| Echo Reservoir inflow | APR-JUL | 52 | 87 | 110 | 62 | 133 | 168 | 179 |
| Lost Creek Reservoir inflow | APR-JUL | 2.7 | 5.4 | 7.8 | 44 | 10.6 | 15.5 | 17.6 |
| East Canyon Reservoir inflow | APR-JUL | 5.6 | 11.0 | 15.7 | 51 | 21 | 31 | 31 |
| Weber River at Gateway | APR-JUL | 60 | 129 | 175 | 49 | 221 | 290 | 355 |
| SF Ogden River nr Huntsville | APR-JUL | 14.7 | 26 | 35 | 55 | 46 | 64 | 64 |
| Pineview Reservoir inflow | APR-JUL | 18.0 | 48 | 68 | 51 | 88 | 118 | 133 |
| Wheeler Creek nr Huntsville | APR-JUL | 0.8 | 1.7 | 2.6 | 41 | 3.6 | 5.5 | 6.3 |

## WEBER & OGDEN WATERSHEDS in Utah
## Reservoir Storage (1000 AF) - End of January

| Reservoir | Usable Capacity | *** Usable Storage *** This Year | Last Year | Avg |
|---|---|---|---|---|
| CAUSEY | 7.1 | 3.5 | 3.3 | 2.8 |
| EAST CANYON | 49.5 | 38.4 | 36.9 | 35.4 |
| ECHO | 73.9 | 45.9 | 53.0 | 50.2 |
| LOST CREEK | 22.5 | 16.5 | 15.5 | 14.0 |
| PINEVIEW | 110.1 | 55.1 | 57.1 | 51.7 |
| ROCKPORT | 60.9 | 41.5 | 40.0 | 34.3 |
| WILLARD BAY | 215.0 | 79.5 | 190.1 | 151.6 |

## WEBER & OGDEN WATERSHEDS in Utah
## Watershed Snowpack Analysis - February 1, 2007

| Watershed | Number of Data Sites | This Year as % of Last Yr | This Year as % of Average |
|---|---|---|---|
| OGDEN RIVER | 4 | 39 | 49 |
| WEBER RIVER | 9 | 49 | 67 |
| WEBER & OGDEN WATERSHEDS | 13 | 45 | 60 |

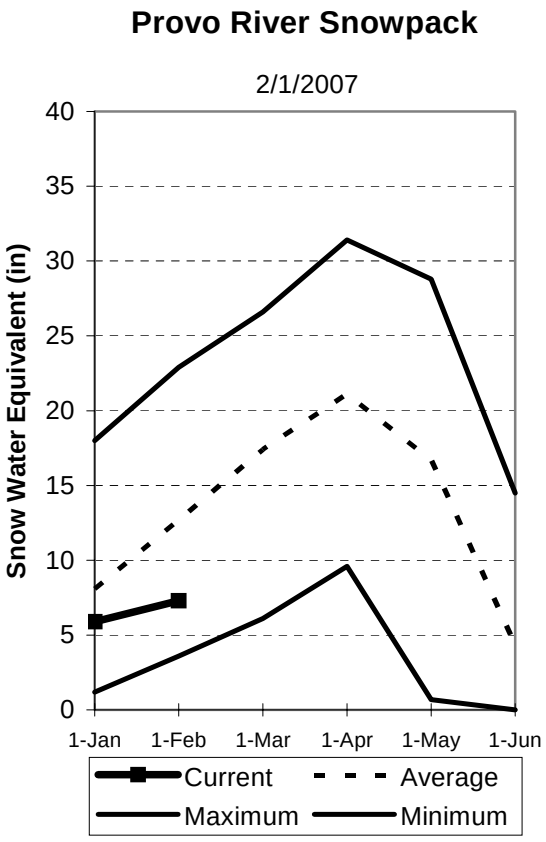
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

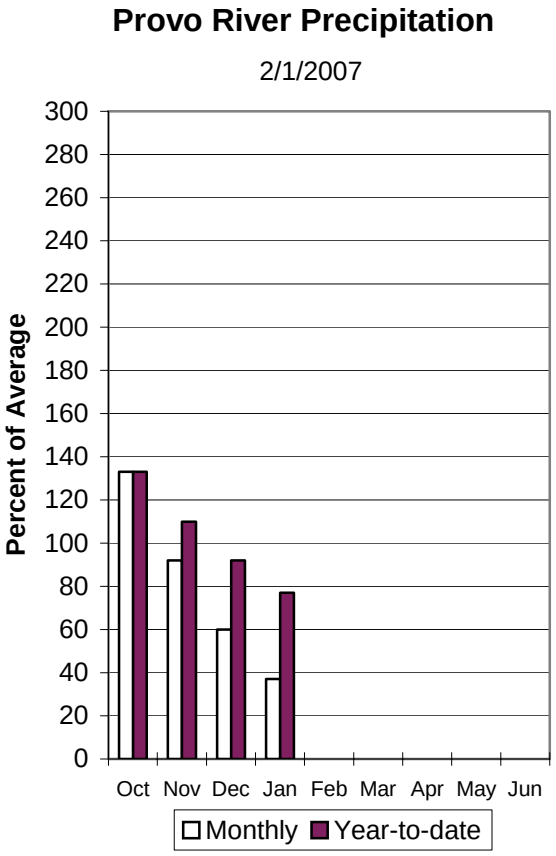
The average is computed for the 1971-2000 base period.

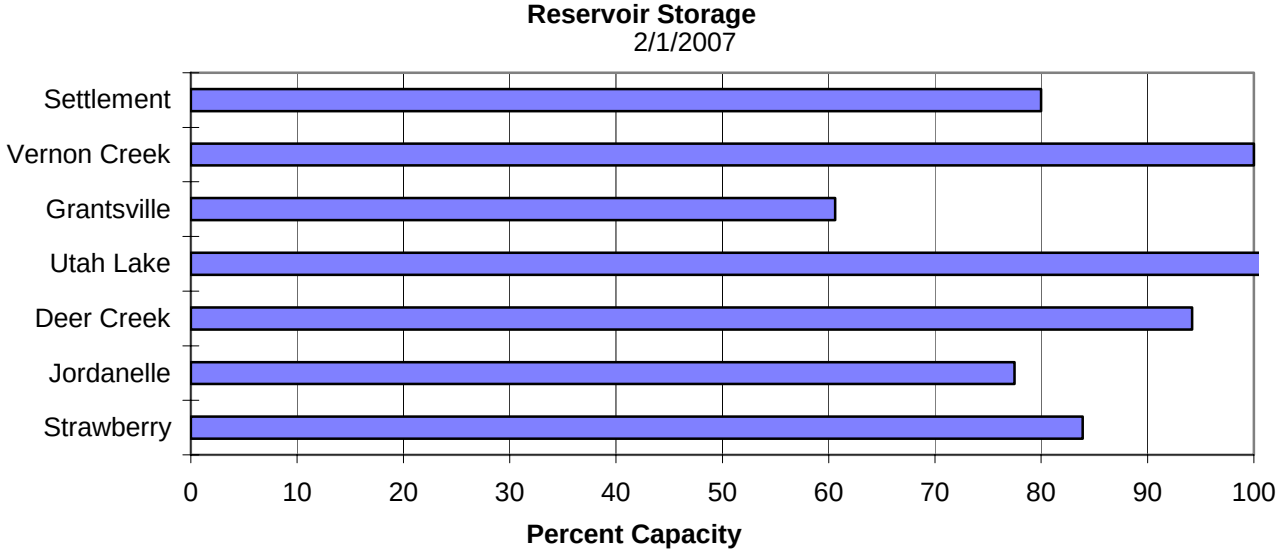
(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

# Utah Lake, Jordan River & Tooele Valley Basins
## February 1, 2007

Snowpack over these regions are much below average at 57%, which is 44% of last year and down 16% from last month. These watersheds have a 3% chance of reaching average snowpack this season. Individual sites range from 23% to 86% of average. January precipitation was much below average at 37%, bringing the seasonal accumulation (Oct-Jan) to 77% of average. Soil moisture levels in runoff producing areas are at 48% of saturation in the upper 2 feet of soil compared to 44% last year. Reservoir storage is at 90% of capacity, 6% higher than last year. Streamflow forecasts range from 39% to 74% of average. The Surface Water Supply Index is at 48%, indicating general water supply conditions are near normal due to good reservoir carryover.



## UTAH LAKE, JORDAN RIVER & TOOELE VALLEY
### Streamflow Forecasts - February 1, 2007

| Forecast Point | Forecast Period | <<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF) | 70% (1000AF) | 50% (1000AF) | 50% (% AVG.) | 30% (1000AF) | 10% (1000AF) | 30-Yr Avg. (1000AF) |
|---|---|---|---|---|---|---|---|---|
| Spanish Fork River nr Castilla | APR-JUL | 5.3 | 18.5 | 32 | 42 | 49 | 81 | 77 |
| Provo River nr Woodland | APR-JUL | 41 | 56 | 67 | 65 | 79 | 100 | 103 |
| Provo River nr Hailstone | APR-JUL | 37 | 53 | 65 | 60 | 79 | 101 | 109 |
| Deer Creek Resv Inflow | APR-JUL | 40 | 62 | 80 | 64 | 100 | 133 | 126 |
| American Fk Abv Upper Powerplant | APR-JUL | 6.2 | 9.8 | 12.6 | 39 | 15.8 | 21 | 32 |
| Utah Lake inflow | APR-JUL | 83 | 126 | 160 | 49 | 198 | 260 | 325 |
| West Canyon Ck Nr Cedar Fort | APR-JUL | 0.3 | 0.7 | 1.1 | 46 | 1.6 | 2.5 | 2.4 |
| Little Cottonwood Ck nr SLC | APR-JUL | 13.8 | 18.5 | 22 | 55 | 26 | 32 | 40 |
| Big Cottonwood Ck nr SLC | APR-JUL | 13.8 | 17.9 | 21 | 55 | 24 | 30 | 38 |
| Mill Creek nr SLC | APR-JUL | 2.3 | 3.3 | 4.2 | 60 | 5.2 | 6.8 | 7.0 |
| Parley's Creek nr SLC | APR-JUL | 3.5 | 6.4 | 8.9 | 53 | 11.8 | 16.8 | 16.7 |
| Dell Fork nr SLC | APR-JUL | 0.7 | 1.8 | 2.8 | 41 | 4.0 | 6.2 | 6.8 |
| Emigration Creek nr SLC | APR-JUL | 0.4 | 1.2 | 1.9 | 42 | 2.8 | 4.4 | 4.5 |
| City Creek nr SLC | APR-JUL | 2.9 | 4.3 | 5.5 | 63 | 6.8 | 8.9 | 8.7 |
| Vernon Creek nr Vernon | APR-JUL | 0.2 | 0.5 | 0.8 | 52 | 1.1 | 1.7 | 1.5 |
| Settlement Creek Abv Resv Nr Tooele | APR-JUL | 0.2 | 0.6 | 0.9 | 45 | 1.4 | 2.3 | 2.1 |
| South Willow Creek nr Grantsville | APR-JUL | 1.3 | 1.9 | 2.4 | 74 | 2.9 | 3.8 | 3.2 |

## UTAH LAKE, JORDAN RIVER & TOOELE VALLEY
### Reservoir Storage (1000 AF) - End of January

| Reservoir | Usable Capacity | *** Usable Storage *** This Year | Last Year | Avg |
|---|---|---|---|---|
| DEER CREEK | 149.7 | 141.0 | 122.4 | 104.8 |
| GRANTSVILLE | 3.3 | 2.4 | 2.2 | 1.8 |
| SETTLEMENT CREEK | 1.0 | 0.8 | 0.8 | 0.6 |
| STRAWBERRY-ENLARGED | 1105.9 | 928.0 | 837.6 | 642.2 |
| UTAH LAKE | 870.9 | 893.0 | 832.0 | 790.9 |
| VERNON CREEK | 0.6 | 0.6 | 0.5 | --- |

## UTAH LAKE, JORDAN RIVER & TOOELE VALLEY
### Watershed Snowpack Analysis - February 1, 2007

| Watershed | Number of Data Sites | This Year as % of Last Yr | Average |
|---|---|---|---|
| PROVO RIVER & UTAH LAKE | 7 | 40 | 50 |
| PROVO RIVER | 4 | 38 | 50 |
| JORDAN RIVER & GREAT SALT | 6 | 43 | 60 |
| TOOELE VALLEY WATERSHEDS | 3 | 63 | 67 |
| UTAH LAKE, JORDAN RIVER & | 16 | 44 | 57 |

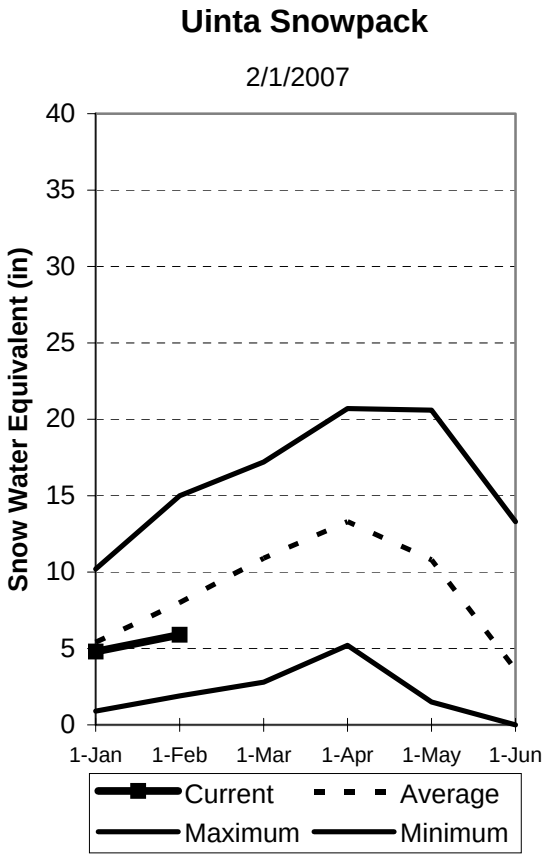
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

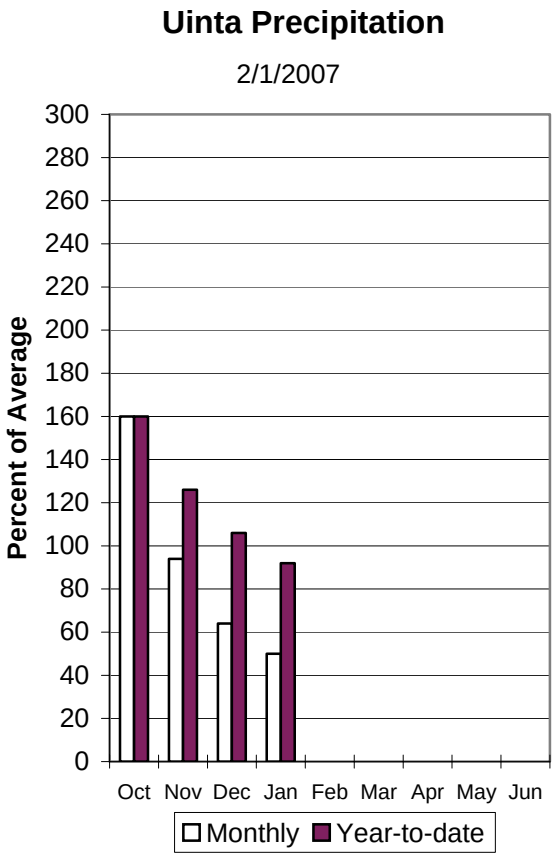
The average is computed for the 1971-2000 base period.

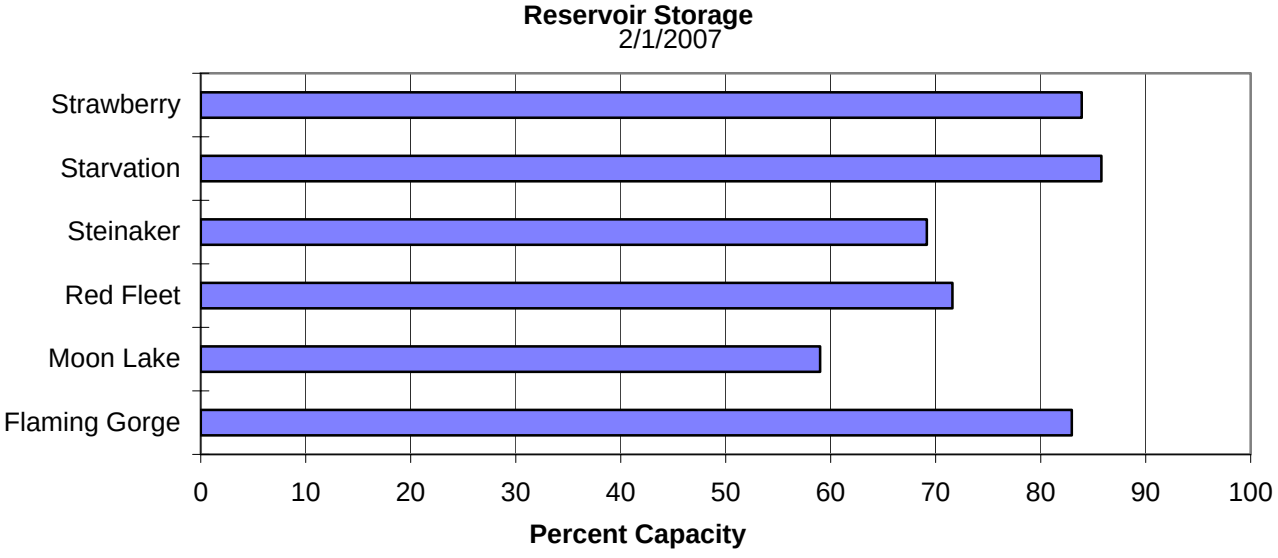
(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

# Uintah Basin and Dagget SCD's
## February 1, 2007

Snowpack across the Uintah Basin and North Slope areas is below average at 75%, which is 67% of last year. The North Slope ranges from 81% to 120% and the Uintah Basin ranges from 49% to 95% of average. Precipitation during January was much below average at 50% bringing the seasonal accumulation (Oct-Jan) to 92% of average. Soil moisture values in runoff producing areas are at 39% of saturation in the upper 2 feet of soil compared to 33% last year. Reservoir storage is at 84% of capacity, 6% more than last year. Streamflow forecasts range from 55% to 86% of average. The Surface Water Supply Index for the western area is 68% and for the eastern area it is 38% indicating above normal conditions on the west side and below normal for the eastern area. General water supply conditions range from above to below average from west to east with the excellent reservoir carryover.



## UINTAH BASIN & DAGGET SCD'S
## Streamflow Forecasts - February 1, 2007

| Forecast Point | Forecast Period | <<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF) | 70% (1000AF) | 50% (1000AF) | 50% (% AVG.) | 30% (1000AF) | 10% (1000AF) | 30-Yr Avg. (1000AF) |
|---|---|---|---|---|---|---|---|---|
| Blacks Fork nr Robertson | APR-JUL | 53 | 68 | 79 | 83 | 91 | 111 | 95 |
| EF of Smiths Fork nr Robertson | APR-JUL | 14.6 | 19.9 | 24 | 83 | 29 | 36 | 29 |
| Flaming Gorge Reservoir Inflow (2) | APR-JUL | 401 | 596 | 750 | 63 | 922 | 1207 | 1190 |
| Big Brush Ck abv Red Fleet Resv | APR-JUL | 10.1 | 14.5 | 18.0 | 86 | 22 | 28 | 21 |
| Ashley Creek nr Vernal | APR-JUL | 25 | 35 | 43 | 83 | 52 | 66 | 52 |
| WF Duchesne River nr Hanna (2) | APR-JUL | 8.9 | 12.3 | 15.0 | 63 | 17.9 | 23 | 24 |
| Duchesne R nr Tabiona (2) | APR-JUL | 39 | 54 | 66 | 63 | 79 | 100 | 105 |
| Upper Stillwater Resv Inflow | APR-JUL | 45 | 57 | 65 | 79 | 74 | 88 | 82 |
| Rock Ck nr Mountain Home (2) | APR-JUL | 48 | 61 | 70 | 79 | 80 | 96 | 89 |
| Duchesne R abv Knight Diversion (2) | APR-JUL | 82 | 109 | 130 | 69 | 152 | 188 | 188 |
| Strawberry R nr Soldier Springs (2) | APR-JUL | 15.7 | 27 | 36 | 61 | 47 | 65 | 59 |
| Currant Creek Reservoir Inflow (2) | APR-JUL | 4.8 | 10.7 | 16.0 | 64 | 22 | 34 | 25 |
| Strawberry R nr Duchesne (2) | APR-JUL | 28 | 49 | 66 | 55 | 86 | 121 | 121 |
| Lake Fork River Moon Lake Inflow | APR-JUL | 38 | 48 | 55 | 81 | 63 | 75 | 68 |
| Yellowstone River nr Altonah | APR-JUL | 31 | 41 | 49 | 79 | 58 | 71 | 62 |
| Duchesne R at Myton (2) | APR-JUL | 55 | 111 | 160 | 62 | 218 | 319 | 260 |
| Whiterocks near Whiterocks | APR-JUL | 27 | 38 | 46 | 82 | 55 | 71 | 56 |
| Duchesne R nr Randlett (2) | APR-JUL | 70 | 139 | 200 | 62 | 272 | 397 | 324 |

## UINTAH BASIN & DAGGET SCD'S
## Reservoir Storage (1000 AF) - End of January

| Reservoir | Usable Capacity | *** Usable Storage *** This Year | Last Year | Avg |
|---|---|---|---|---|
| FLAMING GORGE | 3749.0 | 3110.0 | 3054.0 | 2966.0 |
| MOON LAKE | 49.5 | 29.2 | 30.2 | 27.9 |
| RED FLEET | 25.7 | 18.4 | 21.4 | 18.0 |
| STEINAKER | 33.4 | 23.1 | 29.5 | 21.6 |
| STARVATION | 165.3 | 141.8 | 137.1 | 132.3 |
| STRAWBERRY-ENLARGED | 1105.9 | 928.0 | 837.6 | 642.2 |

## UINTAH BASIN & DAGGET SCD'S
## Watershed Snowpack Analysis - February 1, 2007

| Watershed | Number of Data Sites | This Year as % of Last Yr | Average |
|---|---|---|---|
| UPPER GREEN RIVER in UTAH | 6 | 94 | 87 |
| ASHLEY CREEK | 2 | 122 | 79 |
| BLACK'S FORK RIVER | 2 | 71 | 82 |
| SHEEP CREEK | 1 | 163 | 100 |
| DUCHESNE RIVER | 11 | 59 | 70 |
| LAKE FORK-YELLOWSTONE CRE | 4 | 61 | 75 |
| STRAWBERRY RIVER | 4 | 47 | 59 |
| UINTAH-WHITEROCKS RIVERS | 2 | 92 | 84 |
| UINTAH BASIN & DAGGET SCD | 17 | 67 | 75 |

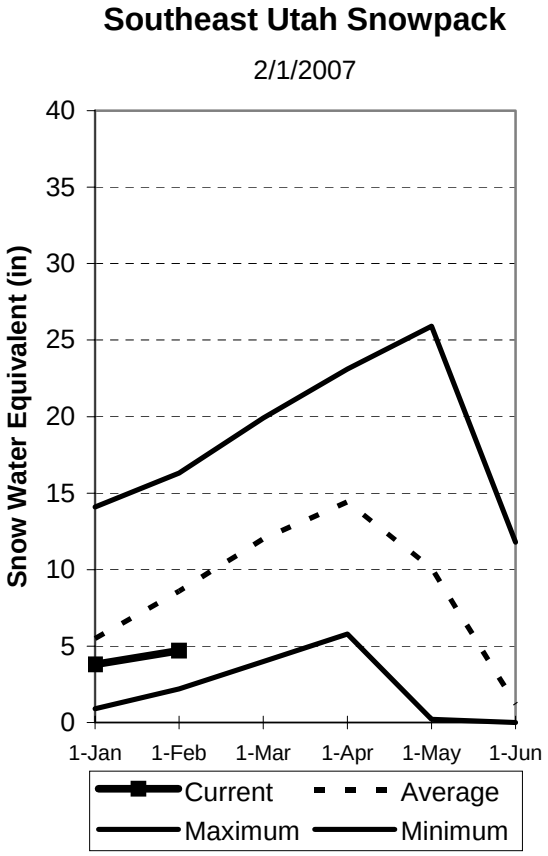
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

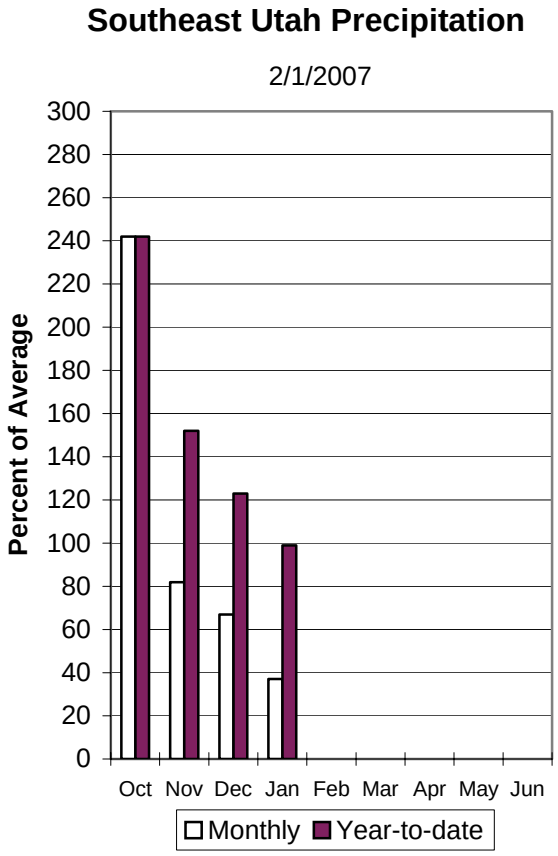
The average is computed for the 1971-2000 base period.

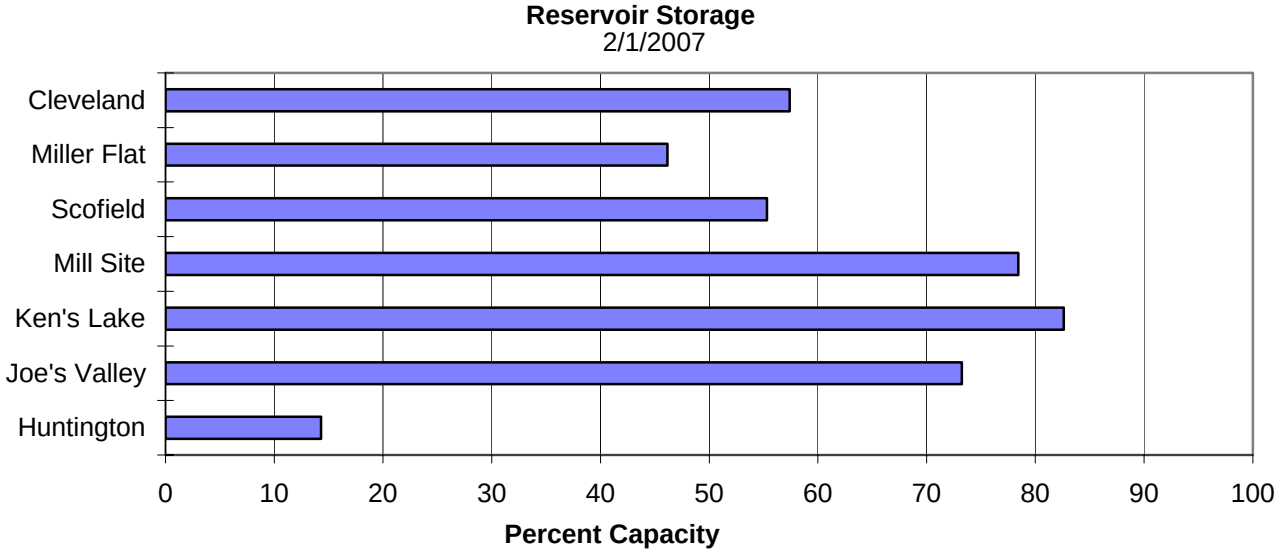
(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

# Carbon, Emery, Wayne, Grand and San Juan Co.
## February 1, 2007

Snowpacks in this region are much below normal at 54% of average, about 56% of last year. Individual sites range from 34% to 108% of average, with the Abajo Mountains the driest in the region. It would require 167% of average February – March snowpack increase to reach an average April 1st value. The probability of reaching or exceeding average April 1 snowpack conditions are 6%. Precipitation during January was much below average at 37%, bringing the seasonal accumulation (Oct-Jan) to 99% of normal. Soil moisture estimates in runoff producing areas are at 49% of saturation in the upper 2 feet of soil compared to 34% last year and down 2% from last month. Forecast streamflows range from 26% to 86% of average. Reservoir storage is at 64% of capacity, down 5% from last year. Surface Water Supply Indices for the area are: Price 52%, San Rafael area 47% and Moab 39%. General runoff and water supply conditions are near to below normal.



## CARBON, EMERY, WAYNE, GRAND, & SAN JUAN Co.
### Streamflow Forecasts - February 1, 2007

| Forecast Point | Forecast Period | <<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF) | 70% (1000AF) | 50% (1000AF) | 50% (% AVG.) | 30% (1000AF) | 10% (1000AF) | 30-Yr Avg. (1000AF) |
|---|---|---|---|---|---|---|---|---|
| Gooseberry Creek nr Scofield | APR-JUL | 4.3 | 6.3 | 7.8 | 66 | 9.5 | 12.3 | 11.9 |
| Price River near Scofield Reservoir | APR-JUL | 8.3 | 21 | 30 | 67 | 39 | 52 | 45 |
| White River blw Tabbyune Creek | APR-JUL | 3.3 | 6.1 | 8.6 | 50 | 11.5 | 16.5 | 17.3 |
| Green River at Green River, UT (2) | APR-JUL | 725 | 1540 | 2100 | 66 | 2660 | 3480 | 3170 |
| Huntington Ck Inflow to Electric Lk | APR-JUL | 4.7 | 7.7 | 10.2 | 65 | 13.0 | 17.7 | 15.7 |
| Huntington Ck nr Huntington | APR-JUL | 12.1 | 25 | 34 | 69 | 43 | 56 | 49 |
| Joe's Valley Resv Inflow | APR-JUL | 23 | 32 | 40 | 69 | 48 | 62 | 58 |
| Ferron Ck (Upper Station) nr Ferron | APR-JUL | 16.8 | 23 | 28 | 72 | 33 | 42 | 39 |
| Colorado River Near Cisco (2) | APR-JUL | 1710 | 3070 | 4000 | 86 | 4930 | 6290 | 4650 |
| Mill Creek at Sheley Tunnel nr Moab | APR-JUL | 1.7 | 2.5 | 3.1 | 62 | 3.8 | 5.1 | 5.0 |
| Seven Mile Ck nr Fish Lake | APR-JUL | 3.4 | 4.8 | 5.8 | 83 | 7.0 | 8.8 | 7.0 |
| Muddy Creek nr Emery | APR-JUL | 8.5 | 12.2 | 15.0 | 75 | 18.1 | 23 | 19.9 |
| North Ck ab R.S. nr Monticello | MAR-JUL | 0.0 | 0.0 | 0.1 | 10 | 0.1 | 0.3 | 0.8 |
| South Ck ab Lloyd's Res nr Monticell | MAR-JUL | 0.1 | 0.2 | 0.3 | 23 | 0.5 | 1.0 | 1.4 |
| Recapture Ck Bl Johnson Ck nr Blandi | MAR-JUL | 0.3 | 0.8 | 1.4 | 28 | 2.3 | 4.1 | 5.0 |
| San Juan River near Bluff (2) | APR-JUL | 440 | 810 | 1060 | 86 | 1310 | 1680 | 1230 |

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

## CARBON, EMERY, WAYNE, GRAND, & SAN JUAN Co.
### Reservoir Storage (1000 AF) - End of January

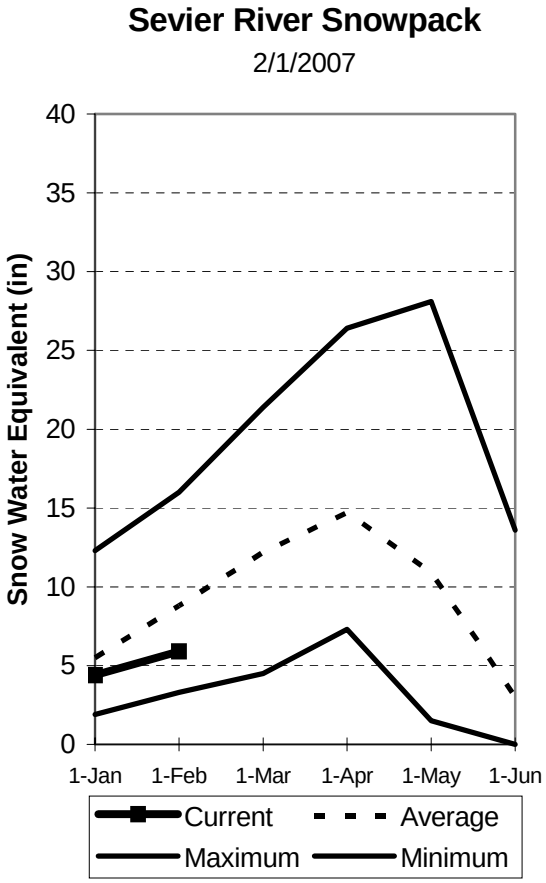
| Reservoir | Usable Capacity | *** Usable Storage *** This Year | Last Year | Avg |
|---|---|---|---|---|
| HUNTINGTON NORTH | 4.2 | 0.6 | 3.1 | 2.8 |
| JOE'S VALLEY | 61.6 | 45.1 | 44.3 | 41.2 |
| KEN'S LAKE | 2.3 | 2.0 | 2.1 | 1.1 |
| MILL SITE | 16.7 | 13.1 | 9.2 | 78.8 |
| SCOFIELD | 65.8 | 36.4 | 44.8 | 33.8 |

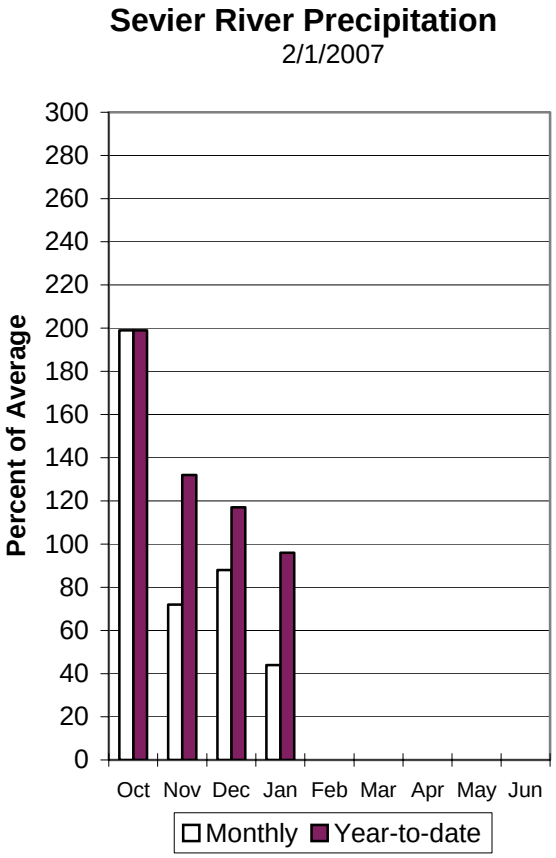
## CARBON, EMERY, WAYNE, GRAND, & SAN JUAN Co.
### Watershed Snowpack Analysis - February 1, 2007

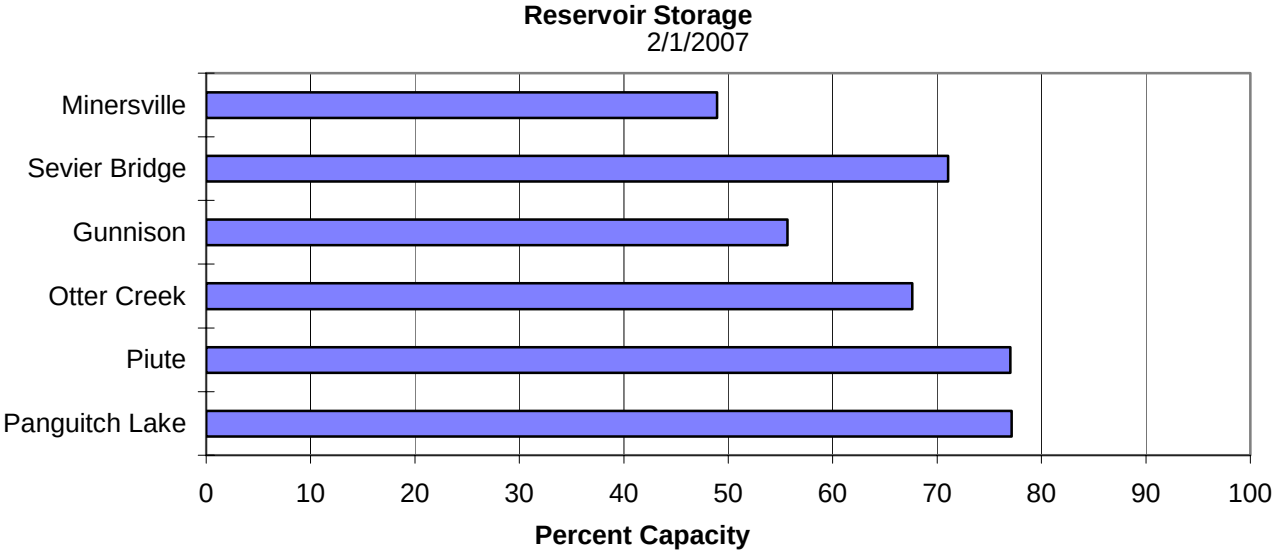
| Watershed | Number of Data Sites | This Year as % of Last Yr | Average |
|---|---|---|---|
| PRICE RIVER | 3 | 39 | 44 |
| SAN RAFAEL RIVER | 3 | 50 | 59 |
| MUDDY CREEK | 1 | 38 | 49 |
| FREMONT RIVER | 3 | 103 | 71 |
| LASAL MOUNTAINS | 1 | 75 | 65 |
| BLUE MOUNTAINS | 1 | 111 | 34 |
| WILLOW CREEK | 1 | 178 | 65 |
| CARBON, EMERY, WAYNE, GRA | 13 | 56 | 54 |

# Sevier and Beaver River Basins
## Feb 1, 2007

Snowpacks on the Sevier River Basin are much below normal at 67% of average, about 78% of last year and down 13% relative to last month. Individual sites range from 38% to 89% of average. The Sevier River has a 19% chance at getting back to average snowpack this season. Precipitation during January was much below average at 44% of normal, bringing the seasonal accumulation (Oct-Jan) to 96% of average. Soil moisture estimates in runoff producing areas are at 44% of saturation (Sevier) in the upper 2 feet of soil compared to 42% last year. Streamflow forecasts range from 24% to 67% of average. Reservoir storage is at 71% of capacity, 14% less than last year. Surface Water Supply Indices are: Upper Sevier 60%, Lower Sevier 45% and Beaver 44%. Water supply conditions are near average due to reservoir storage but with poor streamflow expected.



## SEVIER & BEAVER RIVER BASINS
### Streamflow Forecasts - February 1, 2007

| Forecast Point | Forecast Period | <<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF) | 70% (1000AF) | 50% (1000AF) | 50% (% AVG.) | 30% (1000AF) | 10% (1000AF) | 30-Yr Avg. (1000AF) |
|---|---|---|---|---|---|---|---|---|
| Sevier River at Hatch | APR-JUL | 18.8 | 28 | 36 | 66 | 45 | 59 | 55 |
| Sevier River nr Kingston | APR-JUL | 35 | 49 | 60 | 67 | 72 | 92 | 89 |
| EF Sevier R nr Kingston | APR-JUL | 7.7 | 16.8 | 25 | 66 | 35 | 52 | 38 |
| Sevier R blw Piute Dam | APR-JUL | 35 | 58 | 76 | 60 | 97 | 133 | 126 |
| Clear Creek Abv Diversions Nr Sevier | APR-JUL | 5.8 | 10.3 | 14.0 | 64 | 18.3 | 26 | 22 |
| Salina Creek at Salina | APR-JUL | 1.3 | 5.3 | 9.7 | 49 | 15.4 | 26 | 19.7 |
| Manti Ck Blw Dugway Ck Nr Manti | APR-JUL | 7.7 | 11.1 | 13.8 | 75 | 16.8 | 22 | 18.3 |
| Sevier R nr Gunnison | APR-JUL | 89 | 126 | 155 | 55 | 187 | 238 | 280 |
| Chicken Creek nr Levan | APR-JUL | 0.1 | 0.9 | 1.8 | 40 | 3.0 | 5.3 | 4.5 |
| Oak Creek nr Oak City | APR-JUL | 0.3 | 0.6 | 1.0 | 58 | 1.4 | 2.1 | 1.7 |
| Beaver River nr Beaver | APR-JUL | 7.4 | 12.7 | 17.1 | 63 | 22 | 31 | 27 |
| Minersville Reservoir inflow | APR-JUL | 0.3 | 1.9 | 4.0 | 24 | 6.8 | 12.2 | 16.6 |

## SEVIER & BEAVER RIVER BASINS
### Reservoir Storage (1000 AF) - End of January

| Reservoir | Usable Capacity | *** Usable Storage *** This Year | Last Year | Avg |
|---|---|---|---|---|
| GUNNISON | 20.3 | 11.3 | 14.9 | 13.1 |
| MINERSVILLE (RkyFd) | 23.3 | 11.4 | 19.8 | 14.4 |
| OTTER CREEK | 52.5 | 35.5 | 45.0 | 36.5 |
| PIUTE | 71.8 | 55.3 | 57.7 | 49.5 |
| SEVIER BRIDGE | 236.0 | 167.7 | 208.1 | 159.6 |
| PANGUITCH LAKE | 22.3 | 17.2 | 18.0 | 131.4 |

## SEVIER & BEAVER RIVER BASINS
### Watershed Snowpack Analysis - February 1, 2007

| Watershed | Number of Data Sites | This Year as % of Last Yr | Average |
|---|---|---|---|
| UPPER SEVIER RIVER (south | 8 | 102 | 69 |
| EAST FORK SEVIER RIVER | 3 | 104 | 68 |
| SOUTH FORK SEVIER RIVER | 5 | 100 | 69 |
| LOWER SEVIER RIVER (inclu | 6 | 67 | 70 |
| BEAVER RIVER | 2 | 67 | 57 |
| SEVIER & BEAVER RIVER BAS | 16 | 80 | 67 |

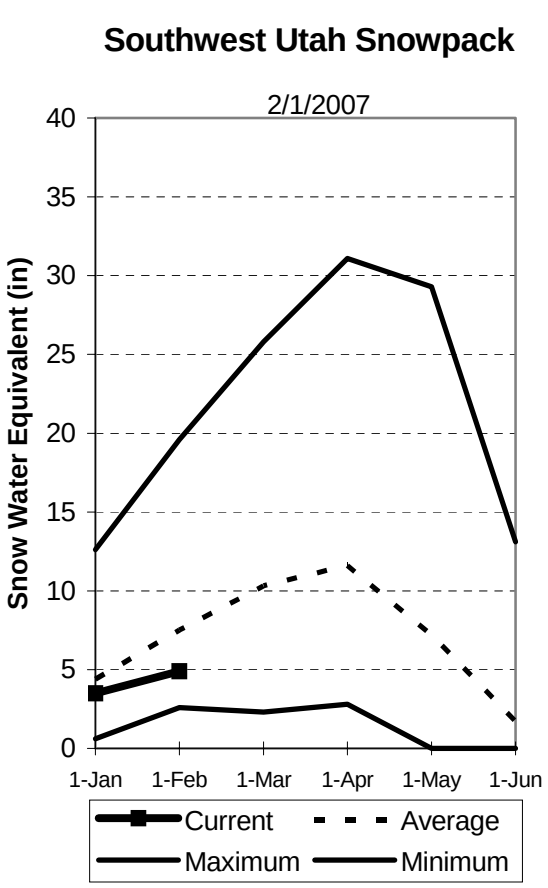
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

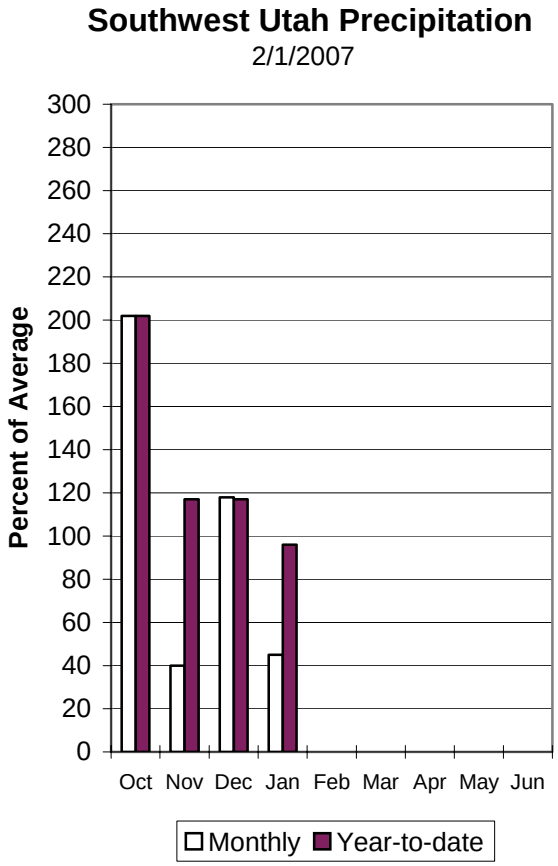
The average is computed for the 1971-2000 base period.

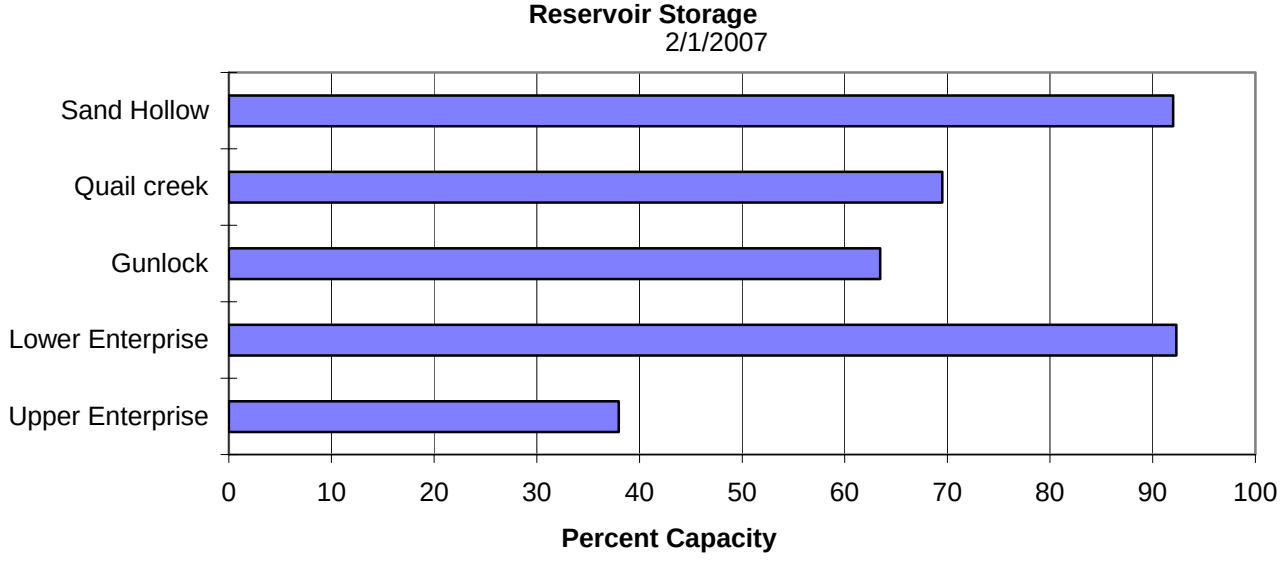
(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

# E. Garfield, Kane, Washington, & Iron Co.
## February 1, 2007

Snowpacks in this region are much below normal at 65% of average, about 121% of last year and down 15% relative to last month. These watersheds have a 33% chance of reaching average snowpack this season. Individual sites range from 31% to 108% of average. Precipitation in the month of January was much below average at 45%, bringing the seasonal accumulation (Oct-Jan) to 96% of average. Soil moisture estimates in runoff producing areas are at 31% of saturation in the upper 2 feet of soil compared to 27% last year. Forecast streamflows range from 49% to 59% of average. Reservoir storage is at 77% of capacity, 10% less than last year. The Surface Water Supply Index is at 50%, indicating average water supply conditions.



## E. GARFIELD, KANE, WASHINGTON, & IRON Co.
### Streamflow Forecasts - February 1, 2007

| Forecast Point | Forecast Period | <<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF) | 70% (1000AF) | 50% (1000AF) | 50% (% AVG.) | 30% (1000AF) | 10% (1000AF) | 30-Yr Avg. (1000AF) |
|---|---|---|---|---|---|---|---|---|
| Lake Powell Inflow (2) | APR-JUL | 2760 | 4630 | 5900 | 74 | 7170 | 9040 | 7930 |
| Virgin River at Virgin | APR-JUL | 19.2 | 28 | 38 | 59 | 50 | 69 | 64 |
| Virgin River near Hurricane | APR-JUL | 13.8 | 24 | 37 | 54 | 52 | 80 | 69 |
| Santa Clara River nr Pine Valley | APR-JUL | 0.8 | 2.0 | 3.1 | 56 | 4.5 | 6.9 | 5.5 |
| Coal Creek nr Cedar City | APR-JUL | 6.8 | 10.6 | 13.7 | 71 | 17.2 | 23 | 19.3 |

## E. GARFIELD, KANE, WASHINGTON, & IRON Co.
### Reservoir Storage (1000 AF) - End of January

| Reservoir | Usable Capacity | *** Usable Storage *** This Year | Last Year | Avg |
|---|---|---|---|---|
| GUNLOCK | 10.4 | 6.6 | 10.4 | 5.7 |
| LAKE POWELL | 24322.0 | 11734.0 | 11222.0 | --- |
| QUAIL CREEK | 40.0 | 27.8 | 35.3 | 26.5 |
| UPPER ENTERPRISE | 10.0 | 3.8 | 9.0 | --- |
| LOWER ENTERPRISE | 2.6 | 2.4 | 0.0 | 38.0 |

## E. GARFIELD, KANE, WASHINGTON, & IRON Co.
### Watershed Snowpack Analysis - February 1, 2007

| Watershed | Number of Data Sites | This Year as % of Last Yr | Average |
|---|---|---|---|
| VIRGIN RIVER | 5 | 111 | 65 |
| PAROWAN | 2 | 92 | 72 |
| ENTERPRISE TO NEW HARMONY | 2 | 176 | 49 |
| COAL CREEK | 2 | 99 | 70 |
| ESCALANTE RIVER | 2 | 134 | 77 |
| E. GARFIELD, KANE, WASHIN | 9 | 119 | 65 |

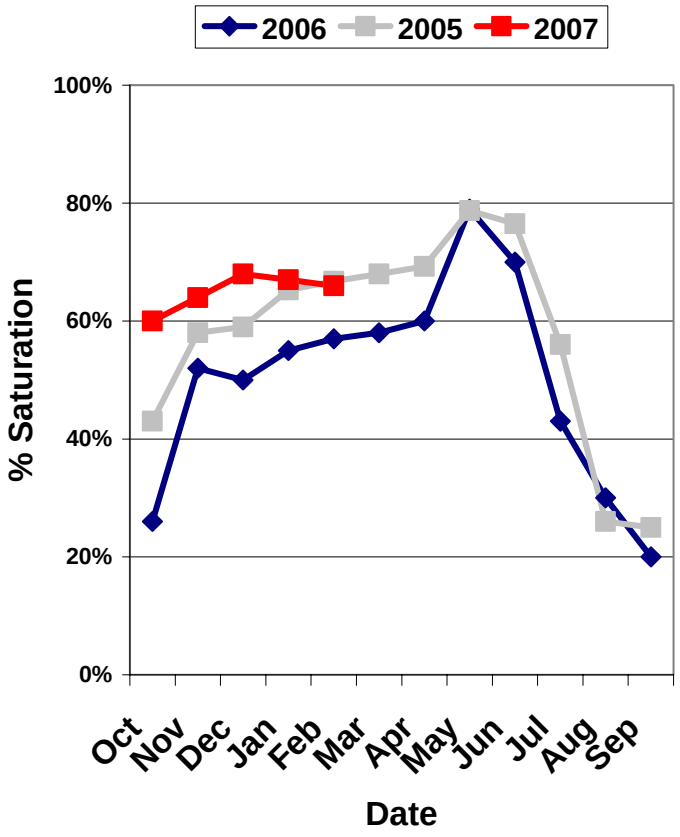
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

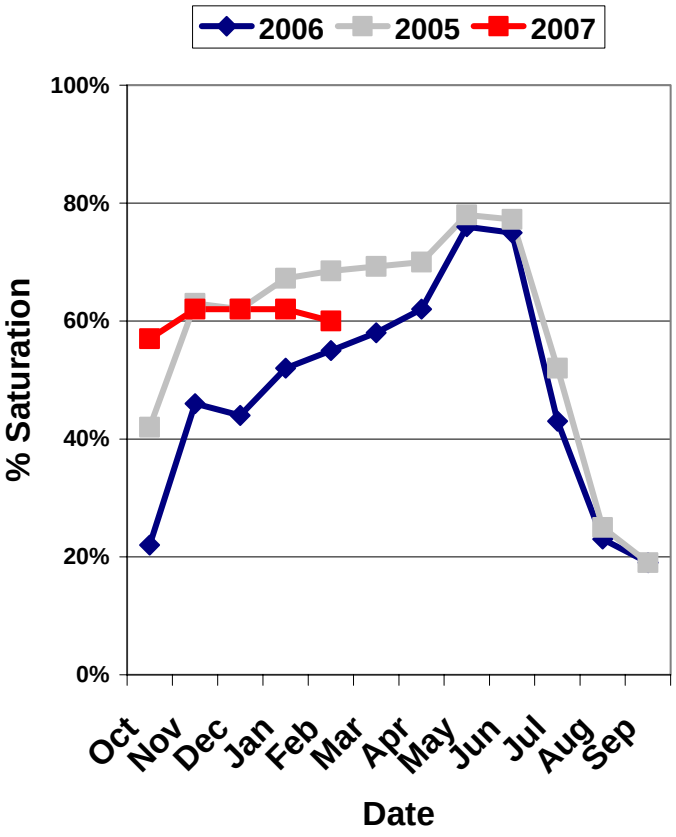
(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

# Watershed Soil Moisture Charts for Utah Water Supply

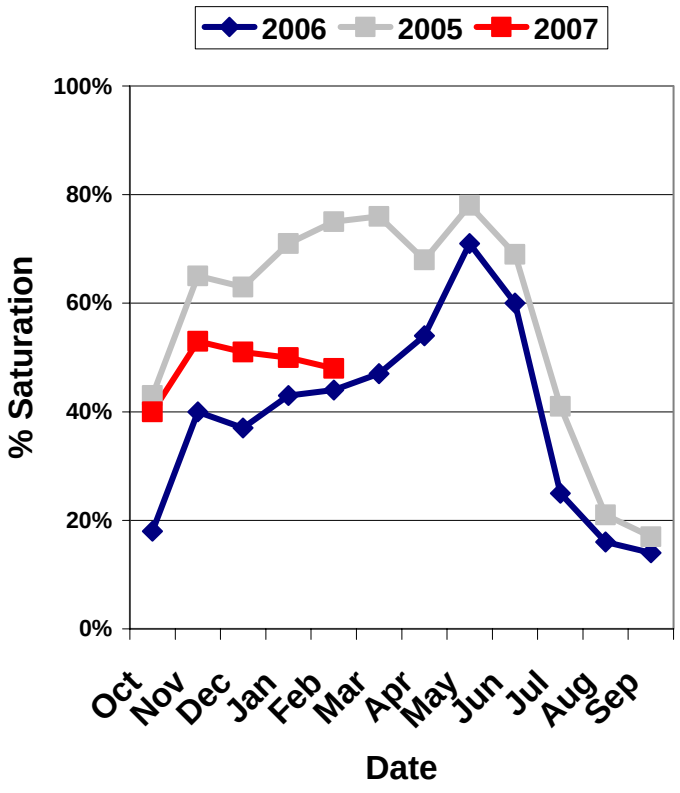
## Bear River Soil Moisture



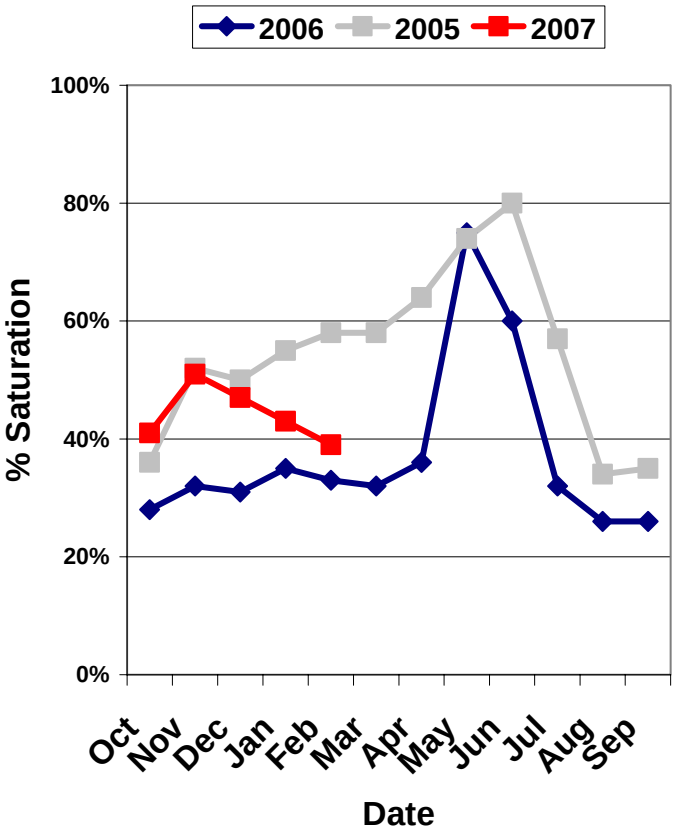

## Weber River Soil Moisture




## Jordan/Provo River Soil Moisture

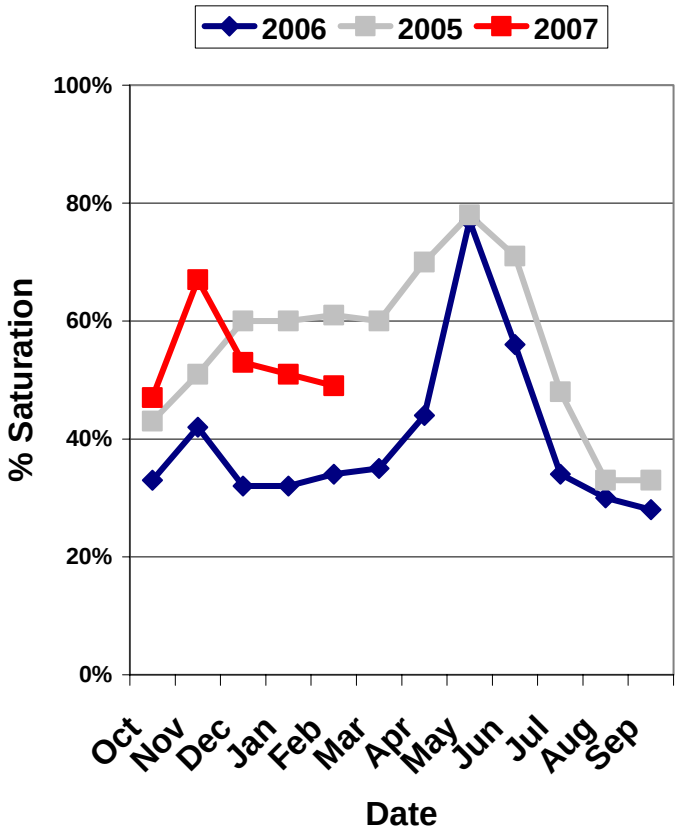



## Uintah Basin Soil Moisture

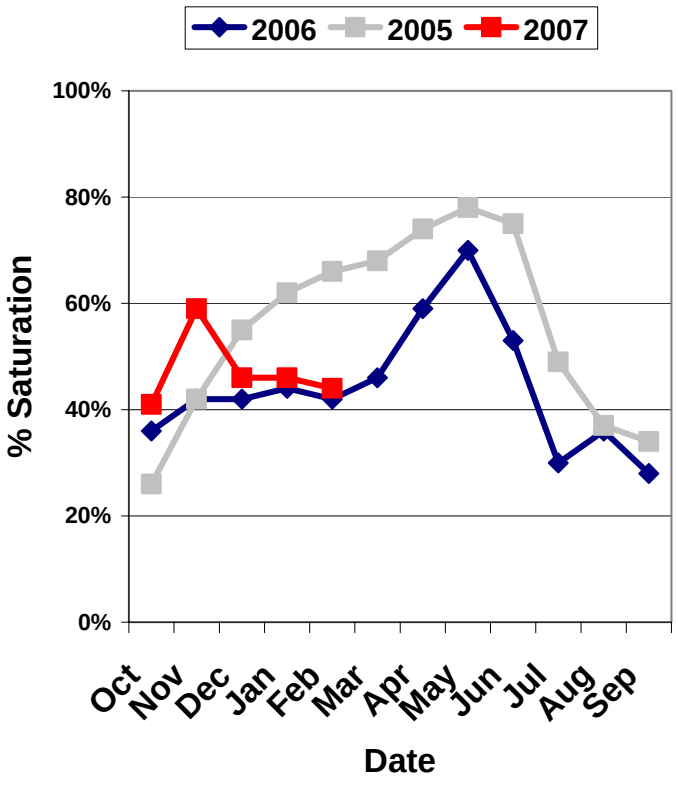


# Watershed Soil Moisture Charts for Utah Water Supply

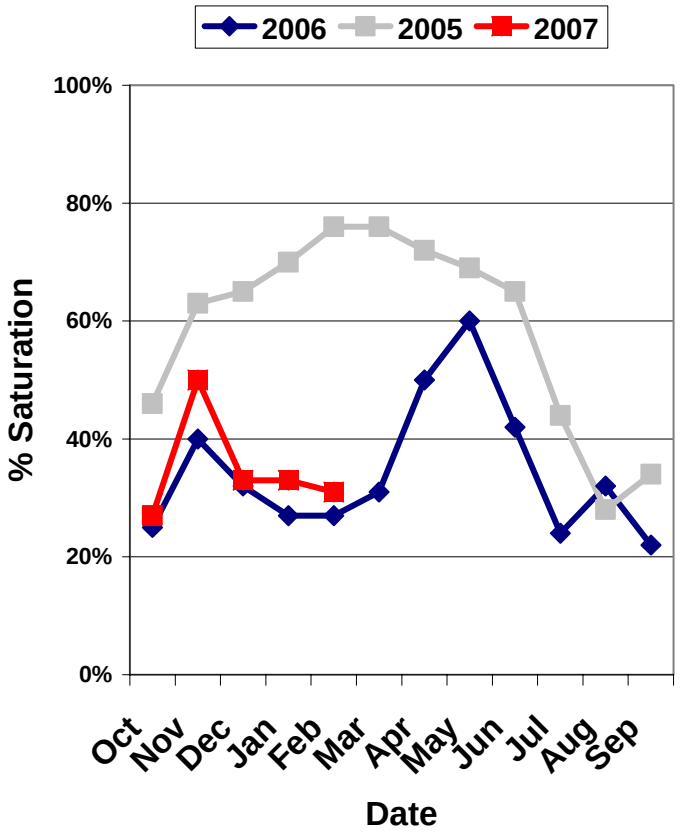
## South East Utah Soil Moisture



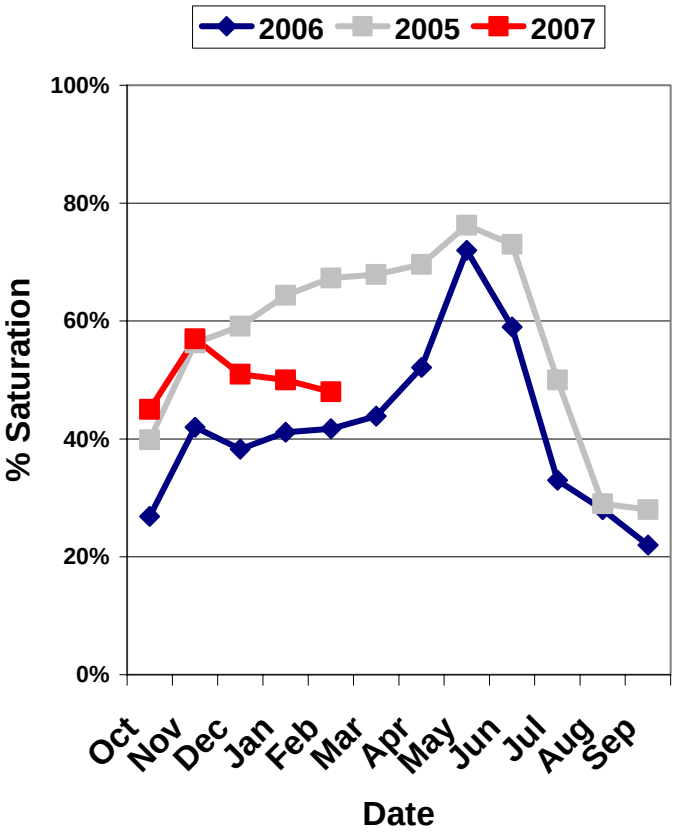

## Sevier/Beaver River Soil Moisture




## Southwest Utah Soil Moisture




## Statewide Soil Moisture



| UTAH SURFACE WATER SUPPLY INDEX<br>Snow Surveys NRCS USDA<br>Basin or Region SWSI/% Percentile Years with Similar SWSI<br>1-Feb-07 | | | |
|---|---|---|---|
| Bear River | -2.43 | 21% | 95,02,06,90 |
| Ogden River | -2.03 | 26% | 04,02,00,91 |
| Weber River | -3.15 | 12% | 95,02,06,90 |
| Provo | -0.17 | 48% | 78,88,79,00 |
| West Uintah Basin | 1.50 | 68% | 96,86,05,06 |
| East Uintah Basin | -1.01 | 38% | 88,92,80,82 |
| Price River | 0.17 | 52% | 73,99,87,70 |
| San Rafael | -0.23 | 47% | 99,87,00,74 |
| Moab | -0.89 | 39% | 99,96,82,91 |
| Upper Sevier River | 0.80 | 60% | 70,81,97,06 |
| Lower Sevier River | -0.43 | 45% | 68,76,89,71 |
| Beaver River | -0.52 | 44% | 75,62,67,71 |
| Virgin River | 0.00 | 50% | 86,87,99,01 |

**Snow Surveys**

**245 N Jimmy Doolittle Rd**
**Salt Lake City, UT**
**(801) 524-5213**

**SWSI Scale: -4 to 4**
**Percentile: 0 - 100%**

## What is a Surface Water Supply Index?

**The Surface Water Supply Index (SWSI)** is a predictive indicator of total surface water availability within a watershed for the spring and summer water use seasons. The index is calculated by combining pre-runoff reservoir storage (carryover) with forecasts of spring and summer streamflow which are based on current snowpack and other hydrologic variables. SWSI values are scaled from +4.1 (abundant supply) to -4.1 (extremely dry) with a value of zero (0) indicating median water supply as compared to historical analysis. SWSI's are calculated in this fashion to be consistent with other hydroclimatic indicators such as the Palmer Drought Index and the Precipitation index.

Utah Snow Surveys has also chosen to display the SWSI as a PERCENT CHANCE OF NON-EXCEEDANCE. While this is a very cumbersome name, it has the simplest application. It can be best thought of as a simple scale of 1 to 99 with 1 being the drought of record (driest possible conditions) and 99 being the flood of record (wettest possible conditions) and a value of 50 representing average conditions. This rating scale is a percentile rating as well, for example a SWSI of 75% means that this years water supply is greater than 75% of all historical events and that only 25% of the time has it been exceeded. Conversely a SWSI of 10% means that 90% of historical events have been greater than this one and that only 10% have had less total water supply. This scale is far more intuitive for most people and is totally comparable between basins: a SWSI of 50% means the same relative ranking on watershed A as it does on watershed B, which may not be strictly true of the +4 to -4 scale.

For more information on the SWSI go to: www.ut.nrcs.usda.gov/snow/ on the water supply page. The entire period of historical record for reservoir storage and streamflow is available.

DATA CURRENT AS OF:02/02/07 07:18:08

# S N O W  C O U R S E  D A T A

## FEBRUARY 2007

| SNOW COURSE | ELEV. | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 71-00 |
|---|---|---|---|---|---|---|
| AGUA CANYON SNOTEL | 8900 | 2/01 | 17 | 3.8 | 3.5 | 5.4 |
| ALTA CENTRAL | 8800 | 2/01 | 49 | 12.2 | 34.8 | 24.7 |
| BEAVER DAMS SNOTEL | 8000 | 2/01 | 23 | 3.9 | 8.4 | 7.0 |
| BEAVER DIVIDE SNOTEL | 8280 | 2/01 | 23 | 3.9 | 11.3 | 7.8 |
| BEN LOMOND PK SNOTEL | 8000 | 2/01 | 32 | 10.2 | 33.4 | 25.0 |
| BEN LOMOND TR SNOTEL | 6000 | 2/01 | 22 | 5.4 | 18.3 | 14.4 |
| BEVAN'S CABIN | 6450 | | | | - | - |
| BIG FLAT SNOTEL | 10290 | 2/01 | 34 | 7.4 | 9.9 | 11.4 |
| BIRCH CROSSING | 8100 | | | | - | 4.6 |
| BLACK FLAT-U.M. CK S | 9400 | 2/01 | 19 | 3.5 | 6.1 | 5.9 |
| BLACK'S FORK GS-EF | 9340 | | | | - | 5.8 |
| BLACK'S FORK JUNCTN | 8930 | | | | - | 5.9 |
| BOX CREEK SNOTEL | 9800 | 2/01 | 28 | 6.2 | 7.5 | 8.0 |
| BRIAN HEAD | 10000 | | | | - | 11.8 |
| BRIGHTON SNOTEL | 8750 | 2/01 | 35 | 9.5 | 21.3 | 15.9 |
| BRIGHTON CABIN | 8700 | 1/30 | 40 | 10.7 | 23.3 | 17.5 |
| BROWN DUCK SNOTEL | 10600 | 2/01 | 40 | 8.5 | 14.0 | 11.1 |
| BRYCE CANYON | 8000 | | | | - | 3.6 |
| BUCK FLAT SNOTEL | 9800 | 2/01 | 27 | 6.1 | 14.3 | 11.3 |
| BUCK PASTURE | 9700 | | | | - | - |
| BUCKBOARD FLAT | 9000 | 1/23 | 26 | 5.8 | 3.6 | - |
| BUG LAKE SNOTEL | 7950 | 2/01 | 33 | 7.5 | 18.0 | 13.2 |
| BURT'S-MILLER RANCH | 7900 | | | | - | 3.8 |
| CAMP JACKSON SNOTEL | 8600 | 2/01 | 25 | 3.1 | 2.8 | 9.0 |
| CASCADE MOUNTAIN SNO | 7770 | 2/01 | 25 | 6.0 | 14.0 | - |
| CASTLE VALLEY SNOTEL | 9580 | 2/01 | 27 | 4.6 | 6.4 | 7.7 |
| CHALK CK #1 SNOTEL | 9100 | 2/01 | 47 | 12.0 | 19.6 | 15.3 |
| CHALK CK #2 SNOTEL | 8200 | 2/01 | 38 | 8.6 | 10.3 | 9.9 |
| CHALK CREEK #3 | 7500 | | | | - | 5.6 |
| CHEPETA SNOTEL | 10300 | 2/01 | 35 | 7.4 | 7.8 | 8.3 |
| CLAYTON SPRINGS SNTL | 10000 | 2/01 | 31 | 5.5 | 4.7 | - |
| CLEAR CK RIDG #1 SNT | 9200 | 2/01 | 26 | 5.3 | 14.8 | 12.3 |
| CLEAR CK RIDG #2 SNT | 8000 | 2/01 | 29 | 5.4 | 10.4 | 9.4 |
| CORRAL | 8200 | | | | - | - |
| CURRANT CREEK SNOTEL | 8000 | 2/01 | 18 | 4.1 | 9.4 | 6.8 |
| DANIELS-STRAWBERRY S | 8000 | 2/01 | 26 | 6.0 | 15.9 | 11.1 |
| DILL'S CAMP SNOTEL | 9200 | 2/01 | 24 | 4.1 | 10.9 | 8.4 |
| DONKEY RESERVOIR SNO | 9800 | 2/01 | 29 | 5.5 | 3.5 | 5.1 |
| DRY BREAD POND SNTL | 8350 | 2/01 | 37 | 8.1 | 16.9 | 14.5 |
| DRY FORK SNOTEL | 7160 | 2/01 | 34 | 7.6 | 10.4 | 10.1 |
| EAST WILLOW CREEK SN | 8250 | 2/01 | 20 | 3.2 | 1.8 | 4.9 |
| FARMINGTON U. SNOTEL | 8000 | 2/01 | 48 | 12.6 | 31.4 | 20.3 |
| FARMINGTON L. SNOTEL | 6780 | 2/01 | 32 | 7.9 | 17.7 | - |
| FARNSWORTH LK SNOTEL | 9600 | 2/01 | 47 | 10.2 | 9.8 | 11.4 |
| FISH LAKE | 8700 | | | | - | 5.1 |
| FIVE POINTS LAKE SNO | 10920 | 2/01 | 32 | 8.2 | 12.6 | 9.8 |
| G.B.R.C. HEADQUARTER | 8700 | | | | - | - |
| G.B.R.C. MEADOWS | 10000 | | | | - | 14.5 |
| GARDEN CITY SUMMIT | 7600 | | | | - | 11.1 |
| GARDNER PEAK SNOTEL | 8350 | 2/01 | 19 | 4.2 | 4.2 | - |
| GEORGE CREEK | 8840 | | | | - | - |
| GOOSEBERRY R.S. | 8400 | | | | - | 7.5 |
| GOOSEBERRY R.S. SNTL | 7900 | 2/01 | 24 | 4.5 | 6.5 | 5.8 |
| GUTZ PEAK SNOTEL | 6820 | 2/01 | 10 | 2.7 | 1.5 | - |
| HARDSCRABBLE SNOTEL | 7250 | 2/01 | 30 | 7.7 | 19.6 | 10.9 |
| HARRIS FLAT SNOTEL | 7700 | 2/01 | 6 | 1.8 | 1.4 | 4.7 |
| HAYDEN FORK SNOTEL | 9100 | 2/01 | 29 | 6.3 | 14.8 | 9.8 |
| HENRY'S FORK | 10000 | | | | - | - |
| HEWINTA SNOTEL | 9500 | 2/01 | 30 | 5.4 | 7.9 | 6.7 |
| HICKERSON PARK SNTL | 9100 | 2/01 | 29 | 4.4 | 2.7 | 4.4 |
| HIDDEN SPRINGS | 5500 | 1/30 | 9 | 2.3 | 5.9 | 5.5 |
| HOBBLE CREEK SUMMIT | 7420 | | | | - | 9.6 |
| HOLE-IN-ROCK SNOTEL | 9150 | 2/01 | 29 | 4.9 | 5.0 | 4.1 |
| HORSE RIDGE SNOTEL | 8260 | 2/01 | 36 | 8.6 | 21.5 | 15.1 |
| HUNTINGTON-HORSESHOE | 9800 | | | | - | 15.1 |
| INDIAN CANYON SNOTEL | 9100 | 2/01 | 25 | 5.7 | 6.2 | 6.9 |
| JOHNSON VALLEY | 8850 | | | | - | 4.6 |
| JONES CORRAL G.S. | 9720 | | | | - | - |

| SNOW COURSE | ELEV. | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 71-00 |
|---|---|---|---|---|---|---|
| KILFOIL CREEK | 7300 | | | | - | 9.4 |
| KILLYON CANYON | 6300 | 1/30 | 14 | 2.6 | 9.0 | 11.5 |
| KIMBERLY MINE SNOTEL | 9300 | 2/01 | 32 | 7.2 | 7.4 | 9.4 |
| KING'S CABIN SNOTEL | 8730 | 2/01 | 25 | 4.4 | 4.1 | 6.8 |
| KLONDIKE NARROWS | 7400 | | | | - | 12.7 |
| KOLOB SNOTEL | 9250 | 2/01 | 34 | 7.6 | 6.7 | 12.1 |
| LAKEFORK #1 SNOTEL | 10100 | 2/01 | 25 | 5.6 | 7.1 | 7.9 |
| LAKEFORK BASIN SNTL | 10900 | 2/01 | 39 | 7.9 | 15.6 | 11.7 |
| LAKEFORK MOUNTAIN #3 | 8400 | | | | - | 4.6 |
| LAMBS CANYON | 7400 | 1/31 | 34 | 7.6 | 15.0 | 11.2 |
| LASAL MOUNTAIN LOWER | 8800 | | | | 4.0 | 5.9 |
| LASAL MOUNTAIN SNTL | 9850 | 2/01 | 24 | 5.1 | 6.8 | 7.8 |
| LIGHTNING RIDGE SNTL | 8220 | 2/01 | 31 | 7.4 | 16.3 | - |
| LILY LAKE SNOTEL | 9050 | 2/01 | 39 | 7.5 | 10.4 | 8.2 |
| LITTLE BEAR LOWER | 6000 | | | | - | 7.1 |
| LITTLE BEAR SNOTEL | 6550 | 2/01 | 21 | 4.8 | 11.4 | 9.1 |
| LITTLE GRASSY SNOTEL | 6100 | 2/01 | 4 | 1.5 | .0 | 4.9 |
| LONG FLAT SNOTEL | 8000 | 2/01 | 20 | 3.6 | 2.9 | 5.6 |
| LONG VALLEY JCT. SNT | 7500 | 2/01 | 12 | 3.2 | 2.0 | 4.4 |
| LOOKOUT PEAK SNOTEL | 8200 | 2/01 | 40 | 10.3 | 25.0 | 15.4 |
| LOST CREEK RESERVOIR | 6130 | | | | - | 3.8 |
| LOUIS MEADOW SNOTEL | 6700 | 2/01 | 29 | 8.7 | 18.2 | - |
| MAMMOTH-COTTONWD SNT | 8800 | 2/01 | 26 | 5.7 | 14.5 | 12.9 |
| MERCHANT VALLEY SNTL | 8750 | 2/01 | 23 | 3.7 | 6.7 | 8.2 |
| MIDDLE CANYON | 7000 | | | | - | 9.1 |
| MIDWAY VALLEY SNOTEL | 9800 | 2/01 | 43 | 10.9 | 10.5 | 13.9 |
| MILL CREEK | 6950 | 1/31 | 33 | 7.5 | 14.5 | 12.5 |
| MILL-D NORTH SNOTEL | 8960 | 2/01 | 36 | 8.2 | 22.6 | 15.8 |
| MILL-D SOUTH FORK | 7400 | 1/30 | 30 | 6.6 | 19.8 | 13.0 |
| MINING FORK SNOTEL | 8000 | 2/01 | 31 | 8.0 | 13.8 | 9.3 |
| MONTE CRISTO SNOTEL | 8960 | 2/01 | 45 | 11.4 | 23.2 | 18.2 |
| MOSBY MTN. SNOTEL | 9500 | 2/01 | 30 | 5.5 | 6.2 | 7.0 |
| MT.BALDY R.S. | 9500 | | | | - | 14.9 |
| MUD CREEK #2 | 8600 | | | | - | 8.6 |
| OAK CREEK | 7760 | | | | - | - |
| PANGUITCH LAKE R.S. | 8200 | | | | - | - |
| PARLEY'S CANYON SNTL | 7500 | 2/01 | 31 | 6.8 | 14.0 | 11.6 |
| PARRISH CREEK SNOTEL | 7740 | 2/01 | 38 | 10.4 | 19.3 | - |
| PAYSON R.S. SNOTEL | 8050 | 2/01 | 25 | 5.8 | 11.9 | 11.6 |
| PICKLE KEG SNOTEL | 9600 | 2/01 | 30 | 6.3 | 12.5 | 10.0 |
| PINE CREEK SNOTEL | 8800 | 2/01 | 40 | 11.2 | 11.0 | 12.9 |
| RED PINE RIDGE SNTL | 9200 | 2/01 | 27 | 6.0 | 12.5 | 10.5 |
| REDDEN MINE LOWER | 8500 | | | | - | 10.8 |
| REES'S FLAT | 7300 | | | | - | 8.7 |
| ROCK CREEK SNOTEL | 7900 | 2/01 | 20 | 3.8 | 7.7 | 5.6 |
| ROCKY BN-SETTLEMT SN | 8900 | 2/01 | 39 | 9.7 | 14.4 | 15.1 |
| SEELEY CREEK SNOTEL | 10000 | 2/01 | 23 | 5.9 | 9.1 | 8.8 |
| SMITH MOREHOUSE SNTL | 7600 | 2/01 | 30 | 6.8 | 11.1 | 9.2 |
| SNOWBIRD SNOTEL | 9700 | 2/01 | 44 | 10.9 | 33.9 | 20.1 |
| SPIRIT LAKE | 10300 | | | | - | 7.4 |
| SQUAW SPRINGS | 9300 | | | | - | 4.6 |
| STEEL CREEK PARK SNO | 10100 | 2/01 | 36 | 7.8 | 10.7 | 9.4 |
| STILLWATER CAMP | 8550 | | | | - | 6.5 |
| STRAWBERRY DIVIDE SN | 8400 | 2/01 | 28 | 5.8 | 14.1 | 11.9 |
| SUSC RANCH | 8200 | | | | - | 5.2 |
| TALL POLES | 8800 | | | | - | 8.4 |
| TEMPLE FORK SNOTEL | 7410 | 2/01 | 29 | 5.7 | 16.5 | - |
| THAYNES CANYON SNTL | 9200 | 2/01 | 45 | 10.2 | 19.5 | 13.8 |
| THISTLE FLAT | 8500 | | | | - | - |
| TIMBERLINE | 9100 | | | | - | - |
| TIMPANOGOS DIVIDE SN | 8140 | 2/01 | 33 | 6.8 | 18.6 | 15.0 |
| TONY GROVE LK SNOTEL | 8400 | 2/01 | 49 | 14.5 | 38.7 | 23.4 |
| TONY GROVE R.S. | 6250 | | | | - | 9.0 |
| TRIAL LAKE | 9960 | | | | - | 14.7 |
| TRIAL LAKE SNOTEL | 9960 | 2/01 | 34 | 8.3 | 21.6 | 15.7 |
| TROUT CREEK SNOTEL | 9400 | 2/01 | 27 | 5.5 | 4.0 | 5.8 |
| UPPER JOES VALLEY | 8900 | | | | - | 6.8 |
| VERNON CREEK SNOTEL | 7500 | 2/01 | 21 | 3.5 | 5.7 | 7.1 |
| VIPONT | 7670 | | | | - | - |
| WEBSTER FLAT SNOTEL | 9200 | 2/01 | 28 | 5.8 | 6.3 | 9.8 |
| WHITE RIVER #1 SNTL | 8550 | 2/01 | 23 | 3.8 | 8.5 | 8.3 |
| WHITE RIVER #3 | 7400 | | | | - | 5.8 |
| WIDTSOE #3 SNOTEL | 9500 | 2/01 | 25 | 3.9 | 2.9 | 7.1 |
| WRIGLEY CREEK | 9000 | | | | - | 6.7 |
| YANKEE RESERVOIR | 8700 | | | | - | 5.6 |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YOU MAY OBTAIN THIS PRODUCT AS WELL AS CURENT SNOW, PRECIPITATION, TEMPERATURE AND SOIL MOISTURE, RESERVOIR, SURFACE WATER SUPPLY INDEX, AND OTHER DATA BY VISITING OUR WEB SITE @:
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# Utah Water Supply Outlook Report

**Natural Resources Conservation Service**
**Salt Lake City, UT**